Oil and Gas Exploration, Drilling, and Production Summary, 1981

compiled by
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Contents

Introduction 1
Acknowledgements 1
I. Organization 2
II. Petroleum Resources Data System 4
III. Geophysical and Geochemical Activity 6
IV. Leasing 7
A. Onshore — Southwestern Ontario 7
B. Offshore — Lake Erie 7
C. Hudson and James Bay Lowlands 7
V. Drilling 10
A. Onshore — Southwestern Ontario 10
B. Offshore — Lake Erie 11
VI. Production 16
A. Cumulative Production 16
B. Oil Production 16
C. Gas Production 16
VII. Gas Storage 40
VIII. Salt Cavern Storage 41
Appendix I. List of Publications and Maps 42
Reports 42
Maps 42
Photo Copies 43
Microfilm and Microfiche 43
Appendix II. Composite Stratigraphic Column 48
Appendix III. Explanation of Data Items and Abbreviations 49
Appendix IV. Summary of Wells Drilled in 1981 51
Alphabetical Index of Wells 51
Permit Number Index of Wells 52
Well Summary Cards 55

Tables

1 Available Computer Reports 5
2 Persons Licenced to Conduct Geophysical-Geochemical Exploration, 1981 6
3 Geophysical and Geochemical Activity, 1979-1981 6
4 Persons Licenced to Lease Oil or Gas Rights, 1981 7
5 Hectares Leased — Land Area, 1979-1981 9
6 Hectares under Disposition — Lake Erie, 1972-1981 9
7 Owners of Licensed Drilling Machines, 1981 11
8 Summary of Well Completions for 1981 12
9 Successful Exploratory Tests, 1981 13
10 Important Dry Exploratory Tests, 1981 14
11 Drilling Summary by Age, 1981 15
12 Drilling Success Ratios, 1981 15
13 Lake Erie Drilling, 1981 15
14 Persons Licenced to Produce Oil and Gas, 1981 19
15 Annual and Cumulative Oil Production, 1863-1981 20
16 Annual and Cumulative Gas Production, 1890-1981 21
17 Oil and Gas Pools, Onshore, Southwestern Ontario 22
18 Ontario Oil Production by Fields, 1981 32
19 Oil Production in Ontario by Field, 1977-1981 34
20 Percent Oil Production by Age, 1977-1981 34
21 Oil Production by County, 1981 34
22 Ontario Gas Production by Fields, 1981 35
23 Gas Production in Ontario by Fields, 1977-1981 37
24 Gas Production by County, 1981 38
25 Percent Gas Production by Age, 1977-1981 38
26 Gas Production Units, Offshore, Lake Erie and Lake St Clair 39
27 Gas Storage - Southwestern Ontario 40
28 Summary of Salt Cavern Storage 41

Figures

1. Petroleum Resources Section Organization Chart 2
2. Petroleum Resources Inspection Areas 3
3. Lake Erie Drilling Activity 10
4. Ontario Oil Production, 1860-1981 16
5. Ontario Gas Production, 1889-1981 17
6. Average Annual Price Paid for Indigenous Oil and Natural Gas, 1981 17
7. Cumulative and Annual Lake Erie Gas Production 18
8. Key Map for NTS Series (Onshore — Southwestern Ontario) 44
9. Key Map for Lake Erie Base Maps (1:50,000) 45
10. Key Map for Lake Erie Isopach Maps (1:50,000) 46
11. Key Map for Lake Erie Structural Maps 47
12. Composite Stratigraphic Column 48

Oil and Gas Exploration Drilling, and Production Summary, 1981

Introduction

Information contained within this report has been compiled from records submitted to the Petroleum Resources Section by licensed operators in compliance with the Petroleum Resources Act, 1971. Unless otherwise stated, all statistics and information are reported for the 1981 calendar year. Publication of annual reports is delayed one year because of the confidential status of exploratory well data incorporated within the report.

During 1981, 31 licences for geochemical or geophysical exploration were issued. A total of 617.85 km of geochemical and geophysical surveys were conducted on Lake Erie and in seven counties onshore.

The number of licences to lease oil and gas rights issued in 1981 was 199. A total of 80,433.6 hectares was leased on land from private landowners. In Lake Erie, 667,110.0 hectares were under Licence of Occupation and 279,529.0 hectares were under lease for a total of 946,639.0 hectares. Government revenues from Lake Erie are approximately $2,109,773.00 for 1981.

A total of 236 wells were drilled during 1981 for a cumulative depth of 97,468.2 m. Of these wells, 50 were classified as exploratory, 131 as development, 50 as "other" and 5 as lost holes. The "other" class includes petroleum products storage, gas storage, brine, stratigraphic test, suspended storage, re-entry, and disposal wells. Onshore, 86 wells (not including 2 lost holes) were drilled for a cumulative depth of 20,449.3 m. Lake Erie drilling involved 95 wells (not including 3 lost holes) for a cumulative depth of 45,616.9 m. Of the 19 wells classed as exploratory, 32% were successful. Development drilling had a success rating of 49%.

Crude oil production in Ontario during 1981 amounted to 90,179.9 m^3 representing a 4.0% decrease over 1980 production.

Natural gas production in Ontario decreased approximately 6.0% from the previous year for a total output of 419,271.4 10^3 m^3 for 1981.

Acknowledgements

Thanks to the entire Petroleum Resources staff for their contributions and the Ontario Geological Survey for supervising the publication stage.

I. Organization

The Petroleum Resources Section of the Ministry of Natural Resources operates under authority of the Petroleum Resources Act, 1971 and the Regulations made thereunder. Activities of the Section include licensing, regulation and inspection of exploration, drilling and production operations, as well as collection and dissemination of geological data and research. In addition, the Section continued its responsibility with respect to regional geological functions and technical assistance to the Ministry of Energy and the Ontario Energy Board on specific energy related matters.

Administration and engineering offices are located at 1106 Dearness Drive, London. Key staff within the Petroleum Section in 1981 are shown in Figure 1. Geological and sample repository facilities are located at 458 Central Avenue, London. Inspection staff operate from the various Regional and District offices throughout the Province as shown in Figure 2.

During 1975 the Section appointed a representative to Sector 4.02 of the Metric Commission, as well as an active member to its Legislative Sub-Committee. The Sub-Committee's purpose was to identify all measurement sensitive clauses and to prepare recommendations for their conversion to SI units. During 1978, final recommended changes were prepared in conjunction with the Metric Committee of the Ontario Petroleum Institute and legislation was enacted. After January 1, 1979, all measurement sensitive items must be reported in SI units. As a result of the new metric data, future annual summaries will be available only in metric format. Because of prohibitive cost, no attempt will be made to convert any of the Section's previous records to metric equivalents. Conversion programs for the computerized records will facilitate production of all existing geological and hydrocarbon production data in SI units.

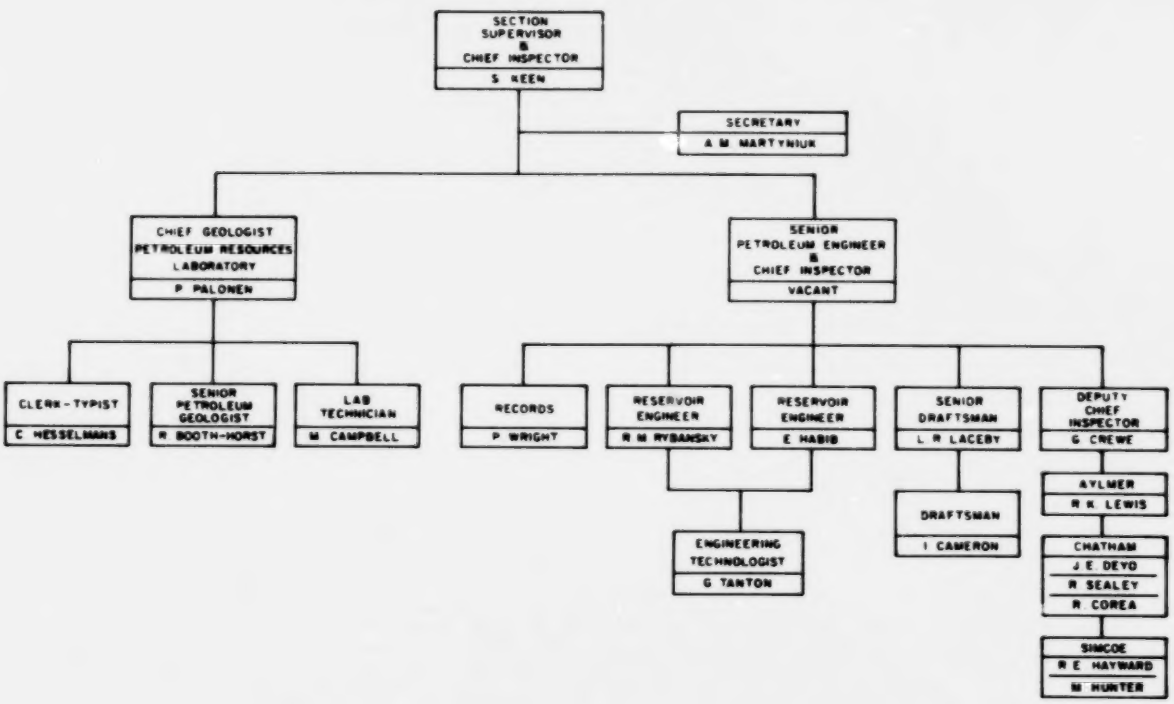

FIGURE 1. PETROLEUM RESOURCES SECTION ORGANIZATION CHART.

FIGURE 2. PETROLEUM RESOURCES INSPECTION AREAS.

II. Petroleum Resources Data System

During 1975 the Petroleum Resources Section developed a computerized data processing system designed to store and retrieve a variety of geological, engineering and statistical data. The new system which was fully implemented during 1977, was shelved early in 1978. In September 1979, efforts began to re-establish a viable computer system for the Section and Industry. The system is currently capable of generating most of the computer reports listed in Table 1.

Reports listed in Table 1 are generated by accessing any or all of 3 basic data files: the well, production, and field files. The well file contains reasonably reliable information on approximately 13,000 wells drilled in Ontario, organized by latitude and longitude. Each well record contains all of the information shown on the well cards at the end of this paper.

The production file is organized by field name and is capable of storing a 20 year annual and 5 year monthly history of production data. The field file contains information pertaining to field location, type of pool, primary and secondary reserves, producing formations, etc. The field records stored within this file are organized alphabetically by field name. Since the old data system did not accommodate any of this type of information, the Petroleum Resources Data System began with an empty bank. Efforts are being made to fill these files, and currently, field location data and production information data back to 1974 have been stored.

The system is capable of operating conversationally or in batch mode. Runs made overnight are about half the cost of those made during computer prime-time. The user is only charged actual computing costs to the Section. All runs are printed in Toronto and must be sent by courier to London for verification. In the case of reports, results are usually available within 2 to 3 days.

As with all computer systems, reports generated by the Petroleum Resources Data System will only be as accurate as information stored within its banks. The Section is upgrading information stored in all data files on a continuous basis in order to make all reports more accurate and meaningful.

Data up to and including 1978 is available in Imperial units whereas data up to 1981 inclusive is in SI units. Information produced in subsequent years will be available only in metric units.

TABLE 1. AVAILABLE COMPUTER REPORTS.

Well File Report Writing Programs

Report 2.1 *SUMMARY OF WELL COMPLETIONS*
This report generates Table 8 for any given year.

Report 2.2A *EXPLORATORY WELLS DRILLED*
This report retrieves all of the exploratory wells drilled in a given year and, alphabetically by well name, lists: well name, latitude, longitude, sequence number, county, township, lot, concession, classification, final status, the flow and formation at which gas and/or oil were found and the water type and its formation.

Report 2.4 *DRILLING SUMMARY BY AGE*
This report generates Table 11 for any given year.

Report 2.5 *DRILLING SUCCESS RATIO*
This report generates Table 12 for any given year.

Report 2.6 *LAKE ERIE DRILLING*
This report generates Table 13 for any given year.

Report 2.20 *ALPHABETICAL INDEX OF WELLS*
This report generates the alphabetic index for Appendix IV for any given year.

Report 2.21 *PERMIT NUMBER INDEX OF WELLS*
This report generates the permit number index for Appendix IV for any given year.

Report 2.24 *SUMMARY OF CASING RECORDS*
This report retrieves all wells that have a casing record, sorts them into county, township and concession order and prints out for each well the well name, county, township, lot, concession, co-ordinates, casing record (size, weight, setting and number of metres recovered).

Report 2.25A *ONTARIO WELL SAMPLE INDEX*
This report retrieves all of the wells that have drill cutting samples stored at the Section's laboratory in London. The report sorts the wells into county, township, lot, concession order, and reports this information, together with the latitude, longitude, sequence number, co-ordinates, ground elevation, total depth, year completed, age of oldest rock penetrated, sample interval, number of bottles and the sample repository tray number.

Report 2.25B *ONTARIO WELL CORE INDEX*
This report retrieves all wells that have been cored, sorts them into county, township, lot, concession order and reports this information with the well name, co-ordinates, ground elevation, total depth, year completed, core condition (which indicates the type of core available, i.e. chips, full width slab, etc.), geological formation of the core and the core rack number.

Report 2.37 *WELL SUMMARY CARD*
This report generates the well cards given at the back of this book.

Report 3.0 *WELL SCAN*
This report sorts the well records retrieved into county, township, lot, concession, tract order and prints this information out along with the well name, co-ordinates, permit number, latitude, longitude, sequence number, completion date, abandonment date, total depth, and operator.

Report 3.1 *HYDRAULIC PRESSURE GRADIENT*
Using the initial gas record, this report calculates the static hydraulic pressure gradient for each well record retrieved over a specified area and within specified producing formations. The pressure gradient is further averaged by county and by township.

Report 3.2 *DOWNHOLE LOGS*
This report lists, in county, township, tract, lot, concession order the well name, all location information, completion date, status, T.D. and complete logging record for all records retrieved.

Field and Production File Report Writing Programs

Report 2.7 *ONTARIO OIL PRODUCTION BY FIELD*
This report generates Table 18 for any given year, but does not list active or suspended wells.

Report 2.8 *NATURAL GAS PRODUCTION BY FIELD*
This report generates Table 22 for any given year, but does not list active or suspended wells.

Report 2.9 *OIL PRODUCTION BY AGE*
This report generates Table 20 for any given 5 year range.

Report 2.10 *OIL PRODUCTION BY COUNTY*
This report generates Table 21 for any given year.

Report 2.11 *OIL PRODUCTION IN ONTARIO BY FIELDS*
This report generates Table 19 for any given 5 year range.

Report 2.12 *GAS PRODUCTION BY COUNTY*
This report generates Table 24 for any given year.

Report 2.13 *LAKE ERIE GAS PRODUCTION*
This report generates Table 26 for any given year, but does not list active/suspended wells.

Report 2.15 *GAS PRODUCTION IN ONTARIO*
This report generates Table 23 for any given 5 year range.

Report 2.16 *GAS STORAGE — SOUTHWESTERN ONTARIO*
This report retrieves all storage field records and reports for each storage field, its producing formation, operator, working reservoir capacity and the original reservoir pressure.

Report 2.26 *MONTHLY CRUDE OIL PRODUCTION BY FIELD*
This report retrieves all units that show monthly oil production in a given month and year or in the preceding year and reports the following information for each unit in order of county and field: county, field, unit number, the given month's production, the percentage of the total provincial production, cumulative year to date production with its percentage of the total provincial production for the year and previous year and the change in percentage, next month's estimated production and an estimate on the year end's production.

Report 2.27 *MONTHLY NATURAL GAS PRODUCTION BY FIELD*
This report is identical to Report 2.26 except that gas production figures are noted.

Report 2.28 *LAKE ERIE MONTHLY NATURAL GAS PRODUCTION BY FIELD*
This report is the same as Report 2.27 but applies to Lake Erie gas production only.

III. Geophysical and Geochemical Activity

During 1981, 31 licences to conduct geophysical or geochemical exploration for oil and gas in Ontario were issued (Table 2).

Geophysical and geochemical activity decreased dramatically to 617.85 kilometres in 1981 as compared to 2704.0 kilometres in 1980 (Table 3). No activity was reported in Brant, Bruce, Cochrane, Norfolk, Perth and Welland counties and Lake Erie. From 1980 to 1981, activity increased on Manitoulin Island (0.0 to 10.0 km) and Oxford County (0.0 to 18.7 km). Activity decreased 100% in Bruce County, 88% in Elgin County, 86% in Essex County, 61% in Huron County, 24% in Kent County, 100% in Lake Erie, 43% in Lambton County and 81% in Middlesex County. Approximately 74.9% of the activity in 1981 was in Lambton County, 12.1% in Huron County, 3.4% in Middlesex County, 3.1% in Oxford County, 1.9% in Kent County, 1.7% in Elgin County, 1.6% on Manitoulin Island, and 1.3% in Essex County.

Seismic surveys were carried out in Elgin County (10.65 km), Essex County (7.95 km), Kent County (12.0 km), Lambton County (219.51 km), Middlesex County (12.0 km) and Oxford County (18.70 km).

Radiometric surveys were conducted in Lambton County (79.0 km), Huron County (9.0 km) and Middlesex County (9.0 km). Sixty-six kilometres of magnetic surveys were conducted in Huron County and 142.0 km in Lambton County. Gravity surveys were conducted in Lambton County (22.04 km) and on Manitoulin Island (10.0 km). The total number of kilometres run for various geophysical surveys during 1981 was 280.1 km of seismic surveys, 208.0 km of magnetic surveys, 97.0 km of radiometric surveys and 32.04 km of gravity surveys (Table 3).

TABLE 2. PERSONS LICENCED TO CONDUCT GEOPHYSICAL-GEOCHEMICAL EXPLORATION, 1981.

Anschutz (Canada) Exploration Ltd.	Dunnville, Ont.
Bluewater Oil & Gas Ltd.	Calgary, Alta.
Bowman Development Ltd.	Calgary, Alta.
Camel Oil & Gas Ltd.	London, Ont.
Canada-Cities Service Ltd.	Calgary, Alta.
Canadian Superior Oil Ltd.	Calgary, Alta.
Cangeo Ltd.	Oil Springs, Ont.
Consumers' Gas Co.	Willowdale, Ont.
Electraflex Surveys Ltd.	Calgary, Alta.
Elexco Ltd.	London, Ont.
FitzGerald, Norman D.	Abilene, Texas
Gravi Metrics Inc.	Tulsa, Okla.
Indian and Northern Affairs	Toronto, Ont.
Kenting Exploration Services Ltd.	Calgary, Alta.
Klenk, William C. III	Grosse Pointe, Mich.
Michigan Oil Co.	Jackson, Mich.
Mid Eastern Oil & Gas Ltd.	London, Ont.
Milton Resources Ltd.	London, Ont.
Mitchell Energy Corporation	Wheatley, Ont.
Morris, James	Englehart, Ont.
Murphy Oil Co. Ltd.	Calgary, Alta.
Pembina Exploration Co. Ltd.	Dunnville, Ont.
Pounder, Harmon & Hill Inc.	London, Ont.
Ram Petroleums Ltd.	Toronto, Ont.
Seis-Ex Geophysical Ltd.	Calgary, Alta.
Shell Canada Resources Ltd.	Calgary, Alta.
Sourcex Geophysical Ltd.	Calgary, Alta.
Spelman Prentice	Casper, Wyoming
Stewart Oil Associates	Toronto, Ont.
Talcorp Services Limited	Toronto, Ont.
Union Gas Limited	Chatham, Ont.
TOTAL	31

TABLE 3. GEOPHYSICAL AND GEOCHEMICAL ACTIVITY, 1979-1981.

COUNTY	1979 KILOMETRES	1980 KILOMETRES	1981 KILOMETRES
Brant	7.0	–	–
Bruce	–	76.8	–
Cochrane	–	–	–
Elgin	132.0	85.1	10.65
Essex	11.1	57.7	7.95
Huron	357.4	190.6	75.0
Kent	15.5	15.7	12.0
Lake Erie	1155.8	1421.1	–
Lambton	1007.6	804.4	462.55
Manitoulin	–	–	10.0
Middlesex	62.1	52.6	21.0
Norfolk	–	–	–
Oxford	–	–	18.7
Perth	–	–	–
Welland	–	–	–
TOTALS	2748.5	2704.0	617.85

METHOD	COUNTY	1981 KILOMETRES	TOTAL
Gravity	Lambton	22.04	
	Manitoulin	10.00	32.04
Seismic	Elgin	10.65	
	Essex	7.95	
	Kent	12.00	
	Lambton	219.51	
	Middlesex	12.00	
	Oxford	18.70	280.81
Geochemical	–	–	–
Radiometric	Lambton	79.00	
	Huron	9.00	
	Middlesex	9.00	97.0
Magnetic	Huron	66.00	
	Lambton	142.00	208.0
Helium	–	–	–
GRAND TOTAL			617.85

IV. Leasing

A total of 199 licences to lease oil and gas rights were issued in 1981 compared with 215 during 1980 and 196 in 1979 (Table 4).

A. Onshore — Southwestern Ontario

A total of 80,433.6 hectares was acquired on land during 1981 compared with 202,402.5 hectares leased in 1980, representing a decrease of 60% (Table 5). It should be noted that figures shown in Table 5 only represent new hectares leased on freehold lands and therefore, do not reflect the total hectares under lease. Assignments are not included in these figures. Land leasing activities from 1980 to 1981 decreased 68% in Brant County, 83% in Elgin County, 87% in Essex County, 37% in Haldimand County, 75% in Lambton County, 92% in Lincoln County, 51% in Middlesex County, 59% in Oxford, and 91% in Welland. No land was leased in Dufferin County, District of Manitoulin, Waterloo and Wellington counties. Increases in land leasing activity from 1980 to 1981 were 1147% in Bruce County, 27% in Grey County, 46% in Huron County, 0.2% in Kent County, 105% in Norfolk County, 49% in Perth County and 9% in Wentworth County. Activity was initiated in Victoria County (Table 5).

B. Offshore — Lake Erie

The Petroleum Resources Section administers Lake Erie regulations governing the disposition of natural gas, Licences of Occupation and Leases under Ontario Regulation 634 of the Mining Act. Transactions involving Crown land in Southwestern Ontario are restricted to Lake Erie. The status of drilling in the other Great Lakes, specifically Lake Huron, Lake Ontario and Lake St. Clair, may be re-examined at some time in the near future. However, until that time, offshore drilling permits will only be issued for that portion of Lake Erie east of a line taken from Point Pelee to Marblehead, Ohio and production will continue to be limited to natural gas.

During 1981, all lands leased or licensed in Lake Erie remained under disposition to seven operators. Total hectares under disposition decreased 14.3% from 1,104,580 hectares to 946,639 hectares in 1981. A total of 279,529 hectares were under lease and 667,110 hectares were under Licence of Occupation. Consumers' Gas of Toronto and Pembina Exploration Co. Ltd. of Calgary remained the majority landholders for Lake Erie lands during 1981.

Land rental payments to the Crown during 1981 for Lake Erie were $329,007.19 for Licences of Occupation and 275,272.86 for Leases. Total land rental payments during 1981 were $604,280.05 compared with $610,697.15 during 1980.

Royalty payments to the Crown collected during 1981 were $1,505,492.73 compared with $1,091,587.43 for 1980. Total revenue to the Crown from land rentals and production and royalties for Lake Erie lands during 1981 was $2,109,772.78.

C. Hudson and James Bay Lowlands

The Petroleum Resources Section and personnel of Northern Region, Ministry of Natural Resources administer most functions with respect to licensing and leasing of oil and gas rights on Crown lands in the Hudson and James Bay Lowlands. These functions are administered under Regulation 604 R.S.O. 1970, which regulates oil and gas Licences of Occupation and Leases on Crown lands above the 51st parallel of latitude. No petroleum or natural gas licences or leases were held or issued in this area during 1981. Land was still held under licence to the Ontario Energy Corporation to explore for lignite and bituminous shale in the Lowlands.

TABLE 4. PERSONS LICENCED TO LEASE OIL OR GAS RIGHTS, 1981.

Allied Drilling & Servicing Ltd.	Montreal, Que.
Anschutz (Canada) Exploration Ltd.	Calgary, Alta.
Anvil Investments Ltd.	Islington, Ont.
Arbuckle, Ernie	London, Ont.
Ariss, Margaret	Calgary, Alta.
Atlas Oil & Gas Limited	Scarborough, Ont.
Badyk, Jeffrey M.	London, Ont.
Barnes, Kenneth	Oil Springs, Ont.
Bayne, Jack	London, Ont.
Beach, P.J.	St. Catharines, Ont.
Bear Creek Resources Ltd.	Toronto, Ont.
Bell, Stewart M.	Barrie, Ont.
Bender, Harold E.	Strathroy, Ont.
Billings, John	London, Ont.
Bishop, Arthur A.	Calgary, Alta.
Bluewater Oil & Gas Ltd.	Calgary, Alta.
Bogaert, H.P.	Brigden, Ont.
Bogaert, Michael P.	Brigden, Ont.
Bonhomme, J.C.	Agincourt, Ont.
Bopetrol Corp.	London, Ont.
Bourassa, Robert J.	London, Ont.
Bowman Development Ltd.	Calgary, Alta.
Bowman, H.E.	Calgary, Alta.
Boyce, G.D.	Chatham, Ont.
Boyce, Paul F.	Chatham, Ont.
Boychuk, Leonard J.	Chatham, Ont.
Brett, Harold B.	London, Ont.
Burt, R.R.	Orangeville, Ont.
Burton, John T.	Islington, Ont.
Buttrum, Robert M.	London, Ont.
Caley, Thomas G.	Metamora, Mich.
Cambrian Disposals Ltd.	Chatham, Ont.
Camel Oil & Gas Ltd.	London, Ont.
Cameron Petroleums Ltd.	Lambeth, Ont.
Campbell, Keith	Merlin, Ont.
Canada-Cities Service Ltd.	Calgary, Alta.
Canadian Superior Oil Ltd.	Calgary, Alta.
Caradoc Resources Ltd.	Calgary, Alta.
Carmichael, D.H.	Toronto, Ont.
Carnegie, Donald	Chatham, Ont.
Chivers, John S.	London, Ont.
Clark, Bob	Lambeth, Ont.
Clarke, Gerald	London, Ont.
Clarysse, Roger	Simcoe, Ont.
Coldicott, W.J.	Scarborough, Ont.
Colonial Petroleums Ltd.	Chatham, Ont.
Consumers' Gas Co.	Scarborough, Ont.

TABLE 4. (CONTINUED)

Coppens, Gerald M.	Simcoe, Ont.
Corden, B.B.	St. Clair, Mich.
Crawford, K. E. Ltd.	Chatham, Ont.
Day, R.M.	Chatham, Ont.
Dekker, Clarence	Chatham, Ont.
Dickenson Mines Ltd.	Toronto, Ont.
Dome Petroleum Ltd.	Calgary, Alta.
Dow Chemical of Canada Ltd.	London, Ont.
Dustan, J.	Scarborough, Ont.
Easton, Douglas	Exeter, Ont.
Ego Resources Limited	Toronto, Ont.
Elexco Ltd.	London, Ont.
Elliott, Christopher B.	London, Ont.
Elson, M.	Chatham, Ont.
Emerson, H.	Dunnville, Ont.
Esso Resources Canada Ltd.	Chatham, Ont.
Fast Petroleum	Niagara-On-The-Lake Ont.
Fedoruk, T.	London, Ont.
Filipetti, Terry M.	London, Ont.
FitzGerald, Norman D.	Abilene, Texas
Fontyn, G.H.	London, Ont.
Fotty, Cecil A.	Port Jervis, N.Y.
Fox, E.S. Ltd.	Welland, Ont.
Francisco Petroleum Enterprises Inc.	Chatham, Ont.
Fraser, C. Douglas	London, Ont.
Fraser, C.D. Land Services Ltd.	London, Ont.
Furgiuele, W.	Scarborough, Ont.
Gaiswinkler Enterprises Ltd.	Chatham, Ont.
Gaiswinkler, Leo F.	Chatham, Ont.
Gasoil Financial Corporation Ltd.	Walleceburg, Ont.
Gillies, Angus John	London, Ont.
Gleason, John J.	Brantford, Ont.
Glenfred Gas Wells Ltd.	Jarvis, Ont.
Grimes, Barry	London, Ont.
Guenther, R.	London, Ont.
Hadley Resources Limited	London, Ont.
Hall, Leslie	Brigden, Ont.
Hannam, R.S. Wayne	Sarnia, Ont.
Harper, H. Grant	Willowdale, Ont.
Imperial Oil Limited	Chatham, Ont.
Inwood, Robin	Scarborough, Ont.
Irwin, Robin Douglas	Calgary, Alta.
Jeffrey, Brian S.	London, Ont.
Jeffrey, Sydney J.	London, Ont.
Johnson, David L.	London, Ont.
Johnson Kirsten	London, Ont.
Johnson, R.D.	London, Ont.
Johnstone, Kenneth N.	Calgary, Alta.
Kam-Kotia Mines Ltd.	Toronto, Ont.
Keenan, E.J.	Chatham, Ont.
Kelly, David Parker	London, Ont.
Kenartha Oil & Gas Co. Ltd.	Markham, Ont.
Kirkconnell, Brian James	London, Ont.
Klenk, William C. III	Grosse Pointe, Mich.
Kriter, Robert E.	Lambeth, Ont.
Lamantia, Joseph Anthony	London, Ont.
Lancaster J.	Scarborough, Ont.
Langstaff, R.	Scarborough, Ont.
Ledgley, David D.	London, Ont.
Locol Oil Corporation	London, Ont.
MPB Oil Ltd.	Brigden, Ont.
MacEnergy Corporation	Willowdale, Ont.
Malo, J.	Chatham, Ont.
Mann R.E.	Simcoe, Ont.
Marsh, Everett M.	Brigden, Ont.
Marsh, Thomas L.	Bothwell, Ont.
McCartney, Murray Dennis	Calgary, Alta.
McClusky, John B.	Willowdale, Ont.
McClusky, Peter G.	Willowdale, Ont.
McKenzie, D.F.	Sarnia, Ont.
McKenzie, D.I.	Waterloo, Ont.
McKenzie, Garry D.	Alexandria, Va.
McLachlin, D.A.	Wallaceburg, Ont.
Mclean Investments Ltd.	Priddis, Alta.
McMillan, D.A.	Rodney, Ont.
McMillan, Gordon	Blenheim, Ont.
McVittie, J. Neil	Georgetown, Ont.
Michigan Oil Company	Jackson, Mich.
Mickle, William	London, Ont.
Mid Eastern Oil & Gas Ltd.	London, Ont.
Mid-North Engineering Services Ltd.	Toronto, Ont.
Milton Resources Ltd.	London, Ont.
Mitchell, David G.	Vittoria, Ont.
Mitchell Energy Corporation	Wheatley, Ont.
Mitchell Energy Corporation	Houston, Texas
Mitchell, Philip	London, Ont.
Moffat Lake Exploration Inc.	Toronto, Ont.
Morris, James	Englehart, Ont.
Morrison, Robert J.	Langton, Ont.
Murphy Oil Co. Ltd.	Calgary, Alta.
New Bedford Resources & Development Limited	Toronto, Ont.
Newport, Lorne T.	Wardsville, Ont.
Nichol, J.J.	London, Ont.
Norman, Dale A.	London, Ont.
Norman, J.L.	London, Ont.
Olimer, Jeffrey M.	London, Ont.
Onshore Petroleums Ltd.	Islington, Ont.
Pan Canadian Petroleum Ltd.	Calgary, Alta.
Parker, Ronald	London, Ont.
Patterson Douglas	London, Ont.
Pegg, Leonard A.	Morpeth, Ont.
Pembina Exploration Co. Ltd.	Dunnville, Ont.
Petro-Canada Exploration Inc.	Calgary, Alta.
Petrolia & Enniskillen Liquid Disposal & Recovery Co. Ltd.	Petrolia, Ont.
Pinetree Exploration Ltd.	Chatham, Ont.
Place Gas & Oil Company Ltd.	Toronto, Ont.
Portfield Industries Inc.	North Bay, Ont.
Pounder, Harmon & Hill Inc.	London, Ont.
Prentice Spelman	Casper, Wyoming
Procan Resources	Toronto, Ont.
Putman, Scott J.	Sarnia, Ont.
Ram Petroleums Ltd.	Toronto, Ont.
Rawlings Drilling Co. Ltd.	Chatham, Ont.
Rawlings, F.S.	Chatham, Ont.
Rayment, Oliver B.	Chatham, Ont.
Realoil Enterprises Limited	Chatham, Ont.
Remenda, C.	Calgary, Alta.
Rife, K. C.	Galt, Ont.
Roth, E.A.	Petrolia, Ont.
Roth & Roth Ltd.	Petrolia, Ont.
Rowe, E.P.	London, Ont.
Rowe, M. McLellan	Brights Grove, Ont.
Seis-Ex Geophysical Ltd.	Calgary, Alta.
Shakleton, G. Alvin	Chatham, Ont.
Sharman, James D.	London, Ont.
Shawnee Petroleums Ltd.	Toronto, Ont.
Shea, Barry J.	Toronto, Ont.
Shell Canada Resources Ltd.	Calgary, Alta.
Shirley, Robert D.	Orangeville, Ont.
Sidasa Petroleums Limited	Hamilton, Ont.
Smiley, Clifford M.	London, Ont.
Smith (Ron) Well Drilling Co. Ltd.	Denfield, Ont.
Starlite Gas Co. Ltd.	Lakeview, New York
Stevenson, Charles G. Drilling Ltd.	Dresden, Ont.
Stewart Oil Associates	Toronto, Ont.
Suburn Petroleums Ltd.	North Bay, Ont.
Sunburst Oil Company	Lambeth, Ont.
Tecumseh Gas Storage Limited	Scarborough, Ont.
Thibodeau, Leo J.	Windsor, Ont.
Thomas, D.W.	Port Elgin, Ont.
Tundra Exploration Ltd.	Calgary, Alta.
Union Gas Ltd.	Chatham, Ont.
Universal Explorations Limited	Calgary, Alta.
Villani, Aldo M.	London, Ont.

TABLE 4. (CONTINUED)

Wellanport Gas Co. Ltd.	Dunnville, Ont.
Western Land Services Co. Ltd.	London, Ont.
White Resources Management Ltd.	Calgary, Alta.
Wilson, D. Alexander	London, Ont.
Wilton, B.H.	Scarborough, Ont.
Wilton, Harold R.	Chatham, Ont.
Woodcock, P.	Chatham, Ont.
Wright, James C.	Scarborough, Ont.
TOTAL	199

TABLE 5. HECTARES LEASED-LAND AREA, 1979-1981.

COUNTY	1979	1980	1981
Brant	–	13,451.0	4,192.5
Bruce	969.7	314.5	3,920.6
Dufferin	–	–	–
Elgin	22,521.0	35,915.9	6,280.3
Essex	648.3	12,950.4	1,714.7
Grey	34.8	1,017.0	1,288.1
Haldimand	–	1,681.9	1,064.3
Huron	11,968.6	2,296.7	3,352.8
Kent	4,801.2	10,169.2	10,191.2
Lambton	46,366.1	64,609.7	16,412.1
Lincoln	881.8	7,765.7	615.5
Manitoulin Island	404.7	268.7	–
Middlesex	8,087.3	11,492.1	5,655.5
Norfolk	2,659.0	5,301.5	10,892.1
Oxford	6,473.0	33,553.7	13,698.6
Perth	2,373.1	462.4	688.0
Victoria	–	–	80.9
Waterloo	97.1	–	–
Welland	–	763.6	72.0
Wellington	2,868.0	–	–
Wentworth	–	288.5	314.4
TOTAL	111,153.7	202,402.5	80,433.6

TABLE 6. HECTARES UNDER DISPOSITION — LAKE ERIE, 1972-1981.

	LICENCES OF OCCUPATION	LEASES	TOTAL HECTARES
1972	594,437.6	62,236.3	656,673.9
1973	962,821.6	64,530.8	1,027,352.4
1974	1,011,015.2	71,206.1	1,082,221.3
1975	1,021,269.2	71,464.3	1,092,733.5
1976	1,019,282.2	74,256.5	1,093,528.7
1977	999,396.0	94,132.8	1,093,528.8
1978	961,746.0	157,274.3	1,119,020.3
1979	887,280.9	212,918.7	1,100,199.6
1980	889,578.0	215,002.0	1,104,580.0
1981	667,110.0	279,529.0	946,639.0

V. Drilling

Fifty-seven licences for drilling machines were issued in 1981 (Table 7). Table 8 is a summary of wells drilled during 1981 by classification, county and township. A total of 236 wells including 5 lost holes were drilled during 1981, down 5% from the 249 wells reported in 1980. Total metres decreased 18% from 118,381.9 m in 1980 to 97,468.2 m in 1981. Of the 236 wells drilled, 50 were classified as exploratory compared with 104 from the previous year, 131 as development (compared with 121 from 1980), 50 as "other" (compared to 14 in 1979), and 5 as lost holes (compared to 10 in 1980). The "other" category includes stratigraphic test, disposal, petroleum products storage, gas storage, liquified petroleum products storage, brine, suspended storage, and re-entry wells. Successful exploratory wells are listed in Table 9 and important dry exploratory tests are listed in Table 10.

Nine successful exploratory tests were drilled in Ontario during 1981: 3 gas producers in Haldimand County; 3 gas producers in Kent County; 1 gas producer and 2 suspended oil producers in Lambton County. Seven exploratory gas producers were divided as follows: 6 in the Clinton-Cataract and 1 in the Salina-Guelph. Two exploratory suspended oil producers were drilled in the Salina-Guelph.

Tables 11 and 12 summarize drilling by geological target. No exploratory Devonian wells were drilled in 1981. Exploratory drilling to the Salina-Guelph during 1981 was 9% successful. Results were 1 gas producer, 1 suspended oil producer and 21 dry wells. Exploratory wells drilled to the Clinton-Cataract were 32% successful and consisted of 6 gas producers and 13 dry wells for a total of 19. No exploratory Ordovician wells were drilled. Four dry Cambrian exploratory wells were drilled. Exploratory drilling was 16% successful as compared to 34% successful during 1980.

Six Devonian development wells were oil producers and 5 were dry for a total of 11 wells and a 55% success rate. Salina-Guelph development wells were 50% successful and consisted of 5 gas producers, 1 oil producer and 6 dry holes. Clinton-Cataract development wells were 62% successful and totaled 106. Sixty-six of these were gas producers and 40 were dry holes. One dry development well was drilled into sedimentary rocks of Ordovician age. One dry development well was drilled into Cambrian strata. Overall development class drilling during 1981 was 60% successful.

Drilling in the exploratory and development categories combined was 48% successful. The Silurian was the main drilling target during 1981, with 51 wells drilled into the Salina-Guelph and 125 into the Clinton-Cataract. Fifty-one wells were drilled into Devonian, 1 into Ordovician and 5 into Cambrian strata.

A. Onshore — Southwestern Ontario

Onshore in Southwestern Ontario a total of 86 wells (not including 2 lost holes) were drilled, down 24% from the

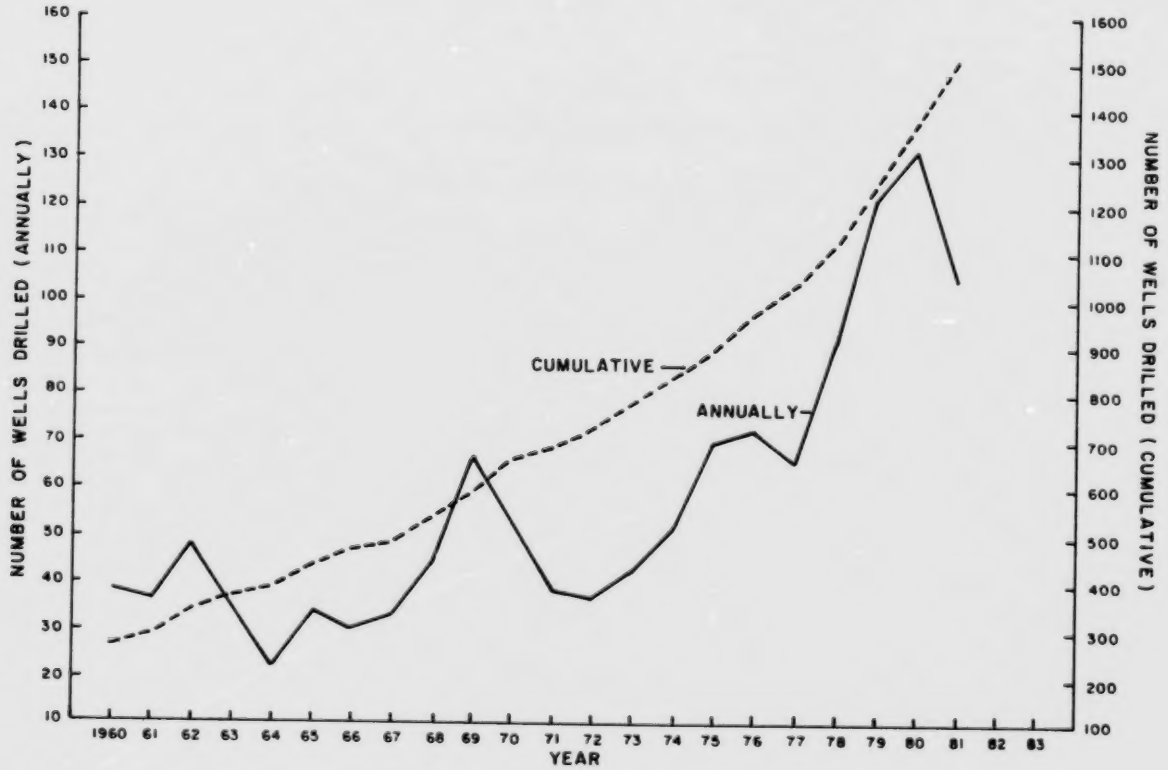

FIGURE 3. LAKE ERIE DRILLING ACTIVITY.

TABLE 7. OWNERS OF LICENSED DRILLING MACHINES, 1981.

Allied Drilling & Servicing Ltd.	Montreal, Que.	1
Ashburn Drilling Co.	Bothwell, Ont.	2
S.J. Atkinson & Son Drilling	Petrolia, Ont.	1
Bear Creek Resources Limited	Toronto, Ont.	1
Casselman, Ramon H.	Williamsburg, Ont.	1
Corunna Petroleum Ltd.	Corunna, Ont.	2
Custom Drilling Co. Ltd.	Leduc, Alta.	1
Degrow, Leland M.	York, Ont.	1
Durl Hopper Limited	Seaforth, Ont.	2
Elfner Drilling	Selkirk, Ont.	1
Elgin Mitchell & Sons	Simcoe, Ont.	3
Faulkner Well Drilling Co. Ltd.	Peterborough, Ont.	1
International Water Supply Ltd.	Barrie, Ont.	1
Marsh, Tom	Bothwell, Ont.	1
Moerschfelder, Fred	Fisherville, Ont.	1
Montgomery Bros.	Selkirk, Ont.	1
Nauman, J.R.	Fisherville, Ont.	1
Newport, James R.	Oil Springs, Ont.	1
Newport, Lorne T.	Wardsville, Ont.	2
Newport, Wellington R. & Sons	Wardsville, Ont.	3
Pembina Drilling Co.	Dunnville, Ont.	2
Place Gas & Oil Co. Ltd.	Toronto, Ont.	2
Rawlings Drilling Co. Ltd.	Chatham, Ont.	5
Rose, Charles	Port Rowan, Ont.	1
Rose, Murray Drilling Inc.	Port Rowan, Ont.	2
Scanlan, Kenneth A.	Brownsville, Ont.	1
Shaw, Charles Drilling Ltd.	Florence, Ont.	4
Smith (Ron) Well Drilling	Denfield, Ont.	2
Stevenson, Charlie	Dresden, Ont.	1
Stevenson Drilling Ltd.	Dresden, Ont.	1
W.E. Stewart Oil Assoc. Inc.	Toronto, Ont.	1
Stewart Well Drilling	Jarvis, Ont.	1
Underwater Gas Developers	Port Colborne, Ont.	4
Unicor Drilling Limited	Calgary, Alta.	1
Union Gas Limited	Chatham, Ont.	1
TOTAL		57

LOST HOLES 5 Lost Holes = 986.5 metres
GRAND TOTAL Holes = 231 + 5 lost holes
= 236 holes (97,468.2m)

113 holes drilled during 1980. Of this total, 31 were classified as exploratory of which, 1 was completed as a gas producer, 2 as suspended oil producers, and 28 as dry, for a total of 20,449.3 m. Of the 55 development wells drilled, 32 were gas producers, 8 were oil producers and 15 were dry, for a total of 20,555.4 m. Exploratory wells drilled onshore during 1981 were 10% successful as compared to 33% in 1980. Development wells drilled onshore in 1981 were 73% successful compared to 58% in 1980. The 50 wells drilled in the "other" category accounted for a total of 9860.1 m and include 39 stratigraphic test wells, 8 brine wells, 1 disposal well, 1 petroleum product storage and 1 observation well.

A total of 50,864.8 m were drilled on land during 1981 not including 522.0 m accounted for by lost holes.

B. Offshore — Lake Erie

During 1981, 5 drilling rigs operated on Lake Erie. Of these, 3 were floating drill ships, (the "Telesis", "Mr. Chris" and "Miss Libby"), one a rotary-equipped jack-up platform, ("Timesaver II"), and the fifth a cable tool-equipped jack-up platform.

During 1981, 95 wells (not including 3 lost holes) were drilled in Lake Erie for a cumulative total of 1468 wells (Figure 3). The 95 wells in 1981 compare with 126 wells in 1980 (Table 13). Total metres drilled decreased from 75,159.3 m during 1980 to 45,616.9 m during 1981, a decrease of 39%. Of the 95 wells, 19 were exploratory and 76 were development wells. Six exploratory wells were completed as gas producers and 13 were dry for a total of 9,349.4 m. Offshore exploratory drilling was 32% successful.

Of 76 development wells, 37 were gas producers and 39 were dry, for a total of 36,267.5 m. Development drilling offshore was 49% successful.

Drilling offshore in the development and exploratory categories combined was 46% successful.

TABLE 8. SUMMARY OF WELL COMPLETIONS FOR 1981

COUNTY & TOWNSHIP	EXPLORATORY					DEVELOPMENT					OTHER	
	GAS	OIL	DRY	TOTAL	METRES	GAS	OIL	DRY	TOTAL	METRES	TOTAL	METRES
ELGIN	–	–	6	6	3126.7	6	–	12	18	10564.1	–	–
Aldborough	–	–	1	1	1244.5	–	–	2	2	1407.7	–	–
Dunwich	–	–	2	2	381.0	–	–	1	1	520.4	–	–
Lake Erie	–	–	1	1	614.5	6	–	9	15	8636.0	–	–
Yarmouth	–	–	2	2	886.7	–	–	–	–	–	–	–
ESSEX	–	–	–	–	–	–	–	2	2	1104.0	3	1194.0
Anderdon	–	–	–	–	–	–	–	–	–	–	2	741.3 Brine
Malden	–	–	–	–	–	–	–	1	1	747.0	–	–
Sandwich W.	–	–	–	–	–	–	–	–	–	–	1	452.7 P.P. stg.
Tilbury W.	–	–	–	–	–	–	–	1	1	357.0	–	–
HALDIMAND	2	–	9	11	5108.90	19	–	16	35	13118.3	–	–
Canborough	–	–	–	–	–	1	–	–	1	212.4	–	–
Lake Erie	2	–	9	11	5108.90	16	–	16	32	12506.0	–	–
Moulton	–	–	–	–	–	1	–	–	1	207.3	–	–
N. Cayuga	–	–	–	–	–	1	–	–	1	192.6	–	–
HURON	–	–	–	–	–	–	–	–	–	–	34	3321.3
Goderich	–	–	–	–	–	–	–	–	–	–	1	91.3 strat. test re-entry
Town of Goderich	–	–	–	–	–	–	–	–	–	–	33	3135.0 strat. test-freeze hole
KENT	3	–	2	5	3230.5	3	1	5	9	3871.0	1	534.0
Camden	–	–	–	–	–	–	–	1	1	131.0	–	–
Harwich	–	–	1	1	1195.0	–	–	–	–	–	–	–
Lake Erie	3	–	1	4	2035.5	3	–	2	5	2916.0	–	–
Raleigh	–	–	–	–	–	–	–	–	–	–	1	534.0 Obs. Hole
Tilbury East	–	–	–	–	–	–	1 susp.	–	1	559.0	–	–
Zone	–	–	–	–	–	–	–	2	2	265.0	–	–
LAMBTON	1	2 susp.	19	22	14382.9	2	7	5	14	6004.9	7	4721.2
Brooke	–	1 susp.	2	3	1935.0	–	–	–	–	–	–	–
Dawn	–	1 susp	1	2	1183.0	–	1 susp	1	2	1263.1	1	228.8 Brine
Enniskillen	–	–	3	3	1973.0	–	6	1	7	1024.3	–	–
Euphemia	–	–	3	3	805.9	–	–	1	1	574.0	–	–
Moore	–	–	3	3	2371.0	–	–	–	–	–	6	4492.4 Brine
Plympton	–	–	6	6	4585.0	–	–	2	2	1538.5	–	–
Sarnia	1	–	–	1	822.0	2	–	–	2	1605.0	–	–
Warwick	–	–	1	1	708.0	–	–	–	–	–	–	–
LINCOLN	–	–	–	–	–	5	–	–	5	807.3	–	–
Gainsborough	–	–	–	–	–	5	–	–	5	807.3	–	–
MIDDLESEX	–	–	1	1	495.0	–	–	–	–	–	–	–
McGillivray	–	–	1	1	495.0	–	–	–	–	–	–	–
NORFOLK	–	–	3	3	1590.0	33	–	13	46	20979.4	–	–
Charlotteville	–	–	–	–	–	5	–	1	6	2358.1	–	–
Houghton	–	–	–	–	–	2	–	–	2	537.0	–	–
Lake Erie	–	–	3	3	1590.0	12	–	12	24	12209.5	–	–
S. Walsingham	–	–	–	–	–	11	–	–	11	4835.1	–	–

CONTINUED

TABLE 8. CONTINUED

COUNTY & TOWNSHIP	EXPLORATORY					DEVELOPMENT					OTHER	
	GAS	OIL	DRY	TOTAL	METRES	GAS	OIL	DRY	TOTAL	METRES	TOTAL	METRES
Windham	–	–	–	–	–	1 re-entry	–	–	1	357.8	–	–
Woodhouse	–	–	–	–	–	2	–	–	2	681.9	–	–
OXFORD	–	–	1	1	1055.0	–	–	–	–	–	–	–
Dereham	–	–	1	1	1055.0	–	–	–	–	–	–	–
PERTH	–	–	1	1	809.2	–	–	–	–	–	–	–
Wallace	–	–	1	1	809.2	–	–	–	–	–	–	–
WELLAND	–	–	–	–	–	2	–	–	2	373.9	–	–
Wainfleet	–	–	–	–	–	2	–	–	2	373.9	–	–
MANITOULIN IS.	–	–	–	–	–	–	–	–	–	–	5	184.6
Burnt Island	–	–	–	–	–	–	–	–	–	–	5	184.6 strat. test
TOTALS	6	2	42	50	29798.2	70	8	53	131	56822.9	50	9860.1
LOST HOLES	5 Lost Holes = 986.5 metres											
GRAND TOTAL	Holes = 231 + 5 lost holes = 236 holes (97,468.2 m)											

TABLE 9. SUCCESSFUL EXPLORATORY TESTS, 1981.

WELL NAME	COUNTY	TOWNSHIP	LOCATION (LAT. LONG.)	COMPLETION DATE	TOTAL DEPTH (m)	FORMATION AT T.D.	PRODUCING FORMATIONS	RESULTS	EXPLORATORY CLASSIFICATION
Pembina #1 Lake Erie 69-B	Haldimand	Lake Erie	42 39 46 79 41 20	May 19	402.0	Queenston	Grimsby	G.P.	Ext.
Pembina #1 Lake Erie 67-V	Haldimand	Lake Erie	42 35 44 79 51 16	July 6	455.0	Queenston	Grimsby Whirlpool	G.P.	Ext.
Pembina #4 Lake Erie 70-Q	Haldimand	Lake Erie	42 36 14 79 38 18	Aug. 13	465.0	Queenston	Grimsby	G.P.	NFW
Pembina-Can. Sup. Lake Erie 308-B-4	Kent	Lake Erie	42 59 30 82 26 06	Aug. 31	505.0	Cabot Head	Guelph	G.P.	NFW
Pembina-Can. Sup. Lake Erie 289-T-2	Kent	Lake Erie	42 01 39 82 25 52	Sept. 21	502.0	Cabot Head	A-1 Carbonate, Guelph	G.P. (O.S.)	Ext.
Pembina-Can Sup. #2 Lake Erie 308-W-6	Kent	Lake Erie	41 55 32 82 27 46	Sept. 30	493.5	Cabot Head	A-1 Carbonate, Guelph	G.P.	Ext.
Bluewater True Sarnia 2-II-VIII	Lambton	Sarnia	43 00 19 82 18 44	Dec. 4	822.5	A-1 Carb.	A-1 Carb.	G.P.	NFW

TABLE 10. IMPORTANT DRY EXPLORATORY TESTS, 1981.

WELL NAME	COUNTY	TOWNSHIP	LOCATION (LAT. LONG.)	COMPLETION DATE	TOTAL DEPTH (m)	FORMATION AT T.D.	STATUS AND PRODUCING FORMATION	EXPLOR. CLASS.
Consumers' 13751 (184-T)	Elgin	Lake Erie	42 16 24 80 55 19	May 28	614 5	Queenston	G S . O S . ABD Grimsby	Ext
Pembina Lake Erie 68-R-3	Haldimand	Lake Erie	42 36 11 79 47 43	June 18	454 8	Queenston	G S . ABD. Cabot Head. Whirlpool. Queenston	Ext
Pembina #1 Lake Erie 72-G	Haldimand	Lake Erie	42 38 45 79 28 15	Aug. 27	455 3	Queenston	G S . ABD. Grimsby	NFW
Pembina #1 Lake Erie 87-S	Haldimand	Lake Erie	42 31 45 79 51 15	July 21	504 7	Queenston	G A . ABD . Thorold. Whirlpool	NFW
Pembina #1 Lake Erie 150-E	Haldimand	Lake Erie	42 24 55 80 19 14	Aug 19	565 7	Queenston	G S . ABD. Grimsby	NFW
Pembina #2 Lake Erie 85-G	Haldimand	Lake Erie	42 33 50 79 43 45	Aug 21	495 0	Queenston	G S . ABD. Grimsby	NFW
Pembina #3 Lake Erie 86-F	Haldimand	Lake Erie	42 33 15 79 49 45	July 12	484 6	Queenston	G S . ABD. Grimsby	NPW
Pembina #4 Lake Erie 86-N	Haldimand	Lake Erie	42 32 15 79 48 15	Aug 4	490 0	Queenston	G S . ABD. Grimsby	NFW
Dow Harwich 5-20-III W.C.R.	Kent	Harwich	42 20 01 82 04 54	May 20	1194 5	Cambrian	G S . O S . ABD. Coboconk. Gull River. Shadow Lake. Cambrian	NFW
Pembina-Can. Sup. Lake Erie 409-M-4	Kent	Lake Erie	41 42 22 82 27 19	Sept 13	535 0	Queenston	G S . O S . ABD. A-2 anhydrite A-1 carb . Guelph	NFW
Pembina #2 Lake Erie 48-W	Norfolk	Lake Erie	42 40 48 82 17 45	June 11	411 0	Queenston	G S . ABD. Guelph. Thorold. Grimsby	Ext

TABLE 11. DRILLING SUMMARY BY AGE, 1981.

AGE	DEVONIAN		SILURIAN				ORDOVICIAN		CAMBRIAN		TOTALS	
			SALINA-GUELPH		CLINTON-CATARACT							
	E	D	E	D	E	D	E	D	E	D	E	D
Oil	–	6	1	1	–	–	–	–	–	–	1	7
Gas	–	–	1	5	6	66	–	–	–	–	7	71
Dry	4	5	21	6	13	40	–	1	4	1	42	53
Sub-Totals	4	11	23	12	19	106	0	1	4	1	50	131
Other	36		15		–		–		–		51	
Grand Totals	51		50		125		1		5		232	

NOTE Does not include 5 lost holes

TABLE 12. DRILLING SUCCESS RATIOS, 1981.

AGE	GAS	OIL	DRY	TOTALS	% SUCCESS
EXPLORATORY					
Devonian	–	–	4	4	0
Silurian					
Salina–Guelph	1	1	21	23	9
Clinton–Cataract	6	–	13	19	32
Ordovician	–	–	–	–	–
Cambrian	–	–	4	4	0
TOTALS	7	1	42	50	16
DEVELOPMENT					
Devonian	–	6	5	11	55
Silurian					
Salina-Guelph	5	1	6	12	50
Clinton-Cataract	66	–	40	106	62
Ordovician	–	–	1	1	–
Cambrian	–	–	1	1	0
TOTALS	71	7	53	131	60

TABLE 13. LAKE ERIE DRILLING, 1981.

COUNTY	EXPLORATORY WELLS				DEVELOPMENT WELLS			
	GAS	DRY	TOTAL	METRES	GAS	DRY	TOTAL	METRES
Elgin	–	1	1	614.5	6	9	15	8636.0
Haldimand	3	9	12	5675.4	17	18	35	14053.8
Kent	3	1	4	2035.5	3	2	5	2916.0
Norfolk	–	2	2	1024.0	11	10	21	10661.7
TOTAL	6	13	19	9349.4	37	39	76	36267.5

Lost Holes: 3 holes = 464.5 m
GRAND TOTAL: 95 wells + 3 lost holes = 45616.9 m + 464.5 m = 46,081.4

VI. Production

A. Cumulative Production

Licences issued for producing oil and gas in 1981 totalled 118, one less than in 1980 (Table 14).

Crude oil production during 1981 totalled 90,173.9 m^3 representing a 4.0% decrease over 1980 production. Cumulative oil production from 1863 to December 31, 1981 totalled 9,079,710.5 $10^3 m^3$ (Table 15, Fig 4).

The average well head price paid for oil in 1981 was \$123.49/m^3 which generated \$11,135,574.9 in total revenue.

Production of natural gas in 1981 decreased by 5.8% over 1980 totalling 419,271.4 10^3 m^3. The cumulative total for gas production from 1890 was 24,350,478.8 10^3 m^3 (Table 16, Fig. 5). The average wellhead price for gas in 1981 was \$82.42/10^3 m^3 generating \$34,556,348.79 in total revenue (Fig. 6).

B. Oil Production

The most productive pools by age in Ontario during 1981 were: Rodney and Wallacetown (Devonian); Becher West and Plympton 5-19-VI (Silurian); and Oil Springs (Devonian) (Tables 17, 18 and 19).

Devonian oil pools provided 37.4%, Silurian 47.4%, Ordovician 2.0% and Cambrian 13.2% of the total oil production in Southwestern Ontario during 1981 (Table 20).

Lambton County produced 51.9% of the total provincial oil production followed by Elgin County with 31.1% (Table 21).

C. Gas Production

The most productive gas pools in 1981 were: Morpeth (Lake Erie), Maitland (Lake Erie), Silver Creek (Lake Erie), Clear Creek (Lake Erie) and Norfolk (Table 22 and 23).

Kent County produced 29.2% of the total provincial natural gas output, followed by Norfolk County with 22.1% and Haldimand County accounting for 21.6% (Table 24).

Of the total natural gas production for 1981, the Clinton-Cataract reservoirs contributed 51.4% the Salina-Guelph 46.4%, the Ordovician 0.6% and the Cambrian 1.6% (Table 25).

Onshore natural gas production amounted to 94,986.2 10^3 m^3 compared with 324,285.2 10^3 m^3 for offshore Lake Erie production (77.3% of the provincial total).

Total offshore production for 1981 increased by 19.0% over 1980 (Table 26, Fig. 7).

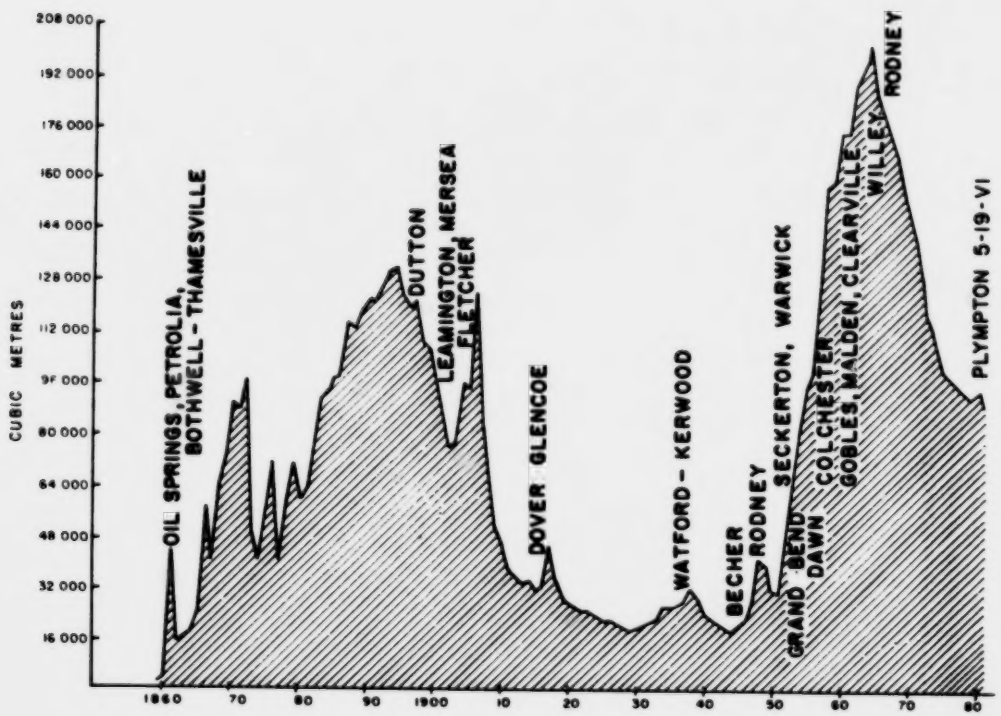

FIGURE 4. ONTARIO OIL PRODUCTION 1860-1981.

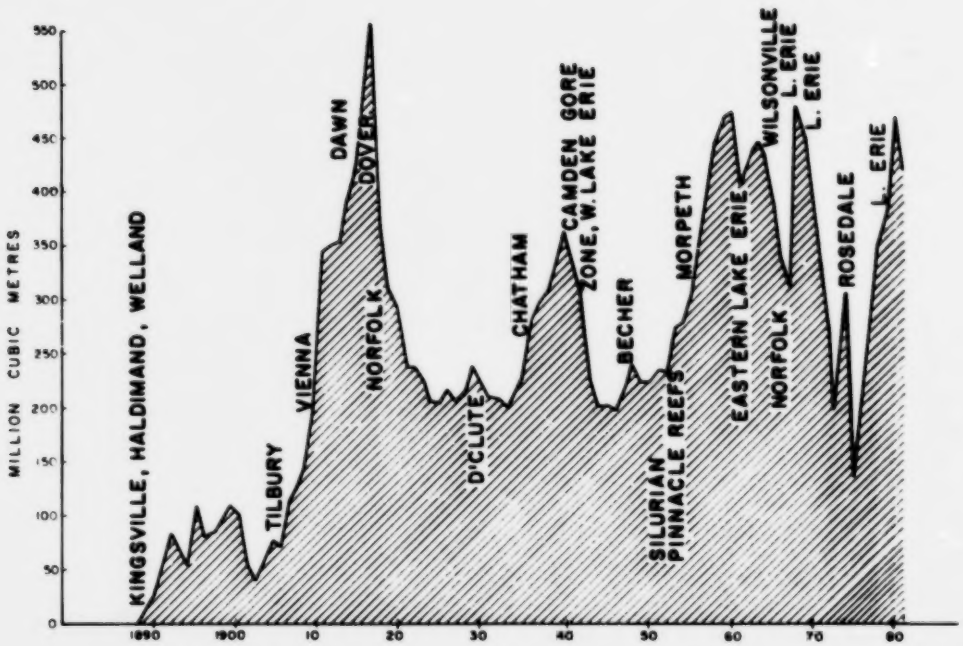

FIGURE 5. ONTARIO GAS PRODUCTION 1889-1981.

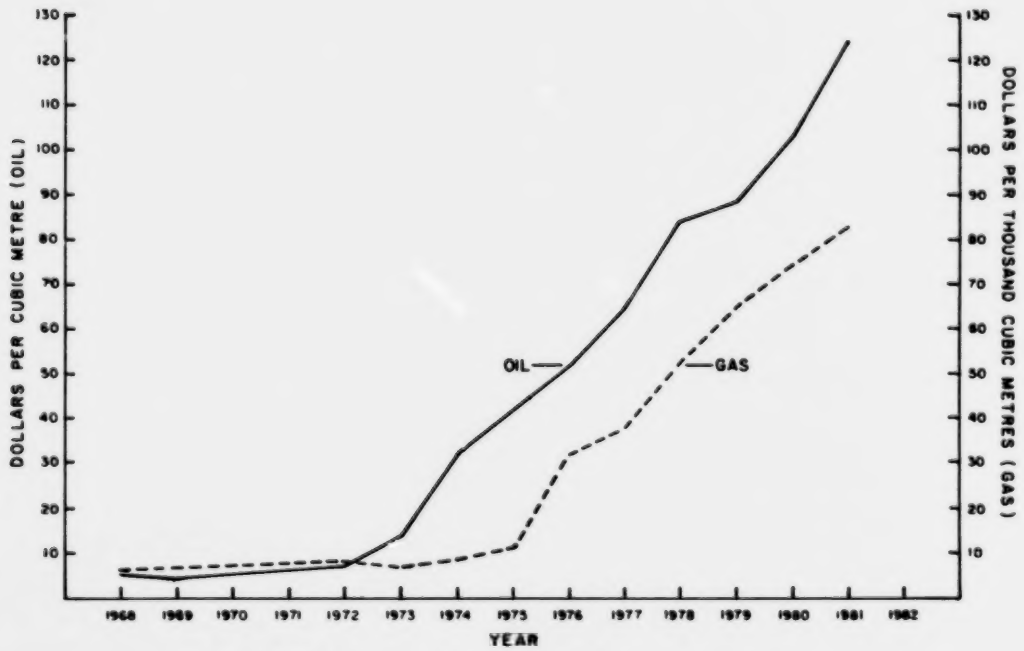

FIGURE 6. AVERAGE ANNUAL PRICE PAID FOR INDIGENOUS OIL AND NATURAL GAS, 1981.

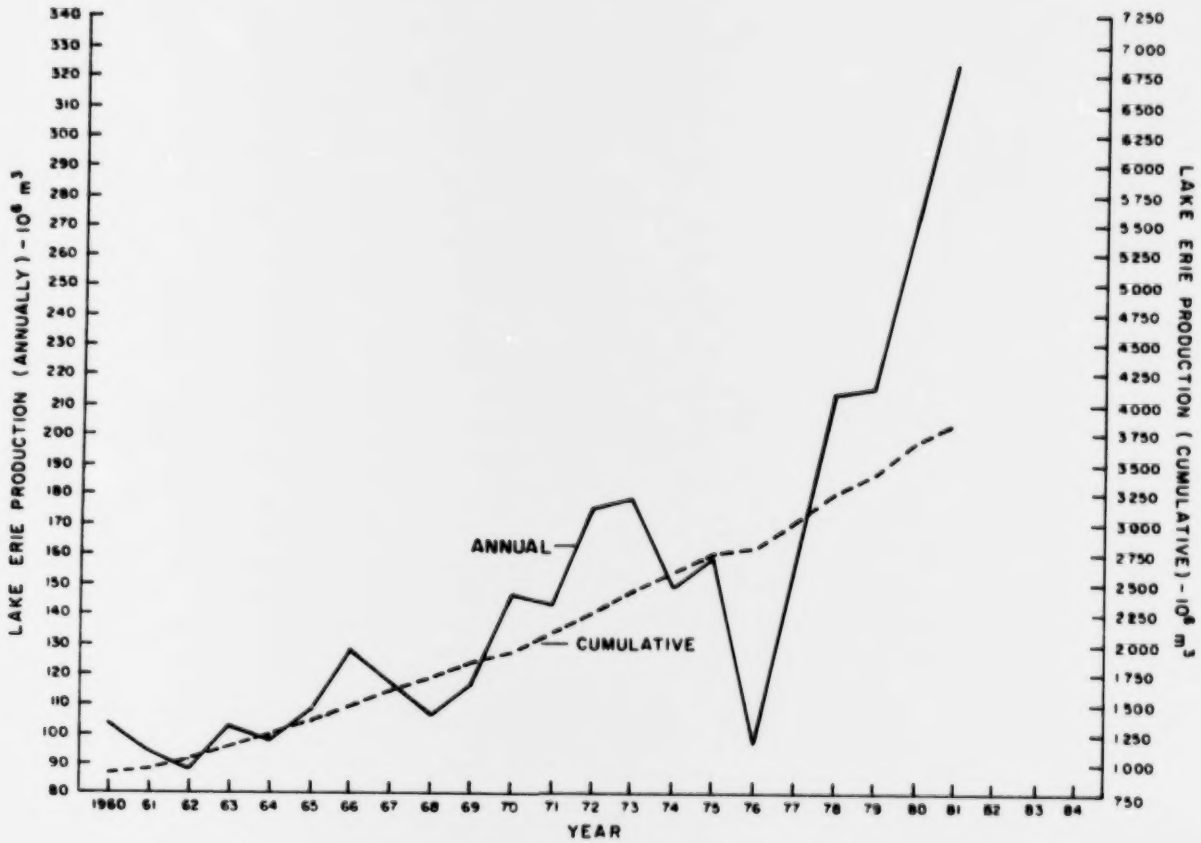

FIGURE 7. CUMULATIVE AND ANNUAL LAKE ERIE GAS PRODUCTION.

TABLE 14. PERSONS LICENCED TO PRODUCE OIL & GAS, 1981.

A I S Resources Limited	Montreal, Que
Ameracrude International Inc	Toronto, Ont
Annett, Robert	Bothwell, Ont
Anschutz (Canada) Exploration Ltd	Calgary, Alta
Atlas Oil & Gas Ltd	Scarborough, Ont
Ayrheart, Ellwood J	Oil Springs, Ont
Ayrheart, Orval & Irene	Petrolia, Ont
Ayrheart, Roy	Petrolia, Ont
Barnes, Lonnie	Bothwell, Ont
Bear Creek Resources Ltd	Toronto, Ont
Bender, Harold E	Strathroy, Ont
Bluewater Oil & Gas Limited	Calgary, Alta
Bowman Development Ltd	Calgary, Alta
Bowman, H E	Calgary, Alta
Bradford, W D	Chatham, Ont
Bradley, M	Petrolia, Ont
Brand, Walt	Petrolia, Ont
Brett, Harold B	Lambeth, Ont
Byers, I	Oil Springs, Ont
Camel Oil & Gas Ltd	London, Ont
Cameron Petroleums Ltd	Lambeth, Ont
Canada-Cities Service Ltd	Calgary, Alta
Colonial Petroleums Ltd	Chatham, Ont
Comfort, N E	Chatham, Ont
Consumers' Gas Company	Willowdale, Ont
Cordon, Brue B	St Clair, Mich
Crawford, K E Ltd	Chatham, Ont
Crich Holdings & Buildings Ltd	London, Ont
Davis, Winston W	Bolivar, N Y
Dean Construction Co Ltd	Tecumseh, Ont
Den-Mar Brines Ltd	Bothwell, Ont
Dome Petroleum Limited	Sarnia, Ont
Dow Chemical of Canada Ltd	Sarnia, Ont
Edward, R A	Petrolia, Ont
Esso Resources Canada Ltd	Chatham, Ont
Fairbank Oil Properties Ltd	Petrolia, Ont
Fisherville Gas Limited	Simcoe, Ont
FitzGerald, Norman D	Abilene, Texas
Forbes Petroleum Limited	Tillsonburg, Ont
Fox, E S	Welland, Ont
Gaiswinkler Enterprises Ltd	Chatham, Ont
Gerodo Construction Ltd	Simcoe, Ont
Glenfred Gas Wells Ltd	Jarvis, Ont
Haldimand Gas & Oil Wells Ltd	Cayuga, Ont
Hemlock Explorations Ltd	Langton, Ont
JWK Administration & Ass Ltd	Brantford, Ont
Johnston, R E	Oil Springs, Ont
Kenartha Oil & Gas Ltd	Markham, Ont
Klenk, William C III	Grosse Point, Mich
Kodyen, L M	Sarnia, Ont
Kodyen, L M Oil Production	Sarnia, Ont
Lambton Area Industries Ltd	Sarnia, Ont
Lee Marine Ltd	Port Lambton, Ont
Lejeune, L F	Fort Erie, Ont
Lincoln Natural Gas Ltd	Dunnville, Ont
Marcus, L A	Wallacetown, Ont
Marr, Harvey	Wainfleet, Ont
Marsh, Thomas L	Bothwell, Ont
Matheson, D W Electric Ltd	Oil Springs, Ont
McClure Oil Co	Alma, Mich
Metalore Resources Ltd	Simcoe, Ont
Meylow Oil Co Ltd	Tillsonburg, Ont
Michigan Oil Co	Jackson, Mich
Milton Resources Ltd	London, Ont
Mitchell Energy Corp	Wheatley, Ont
Mitchell, G	Oil Springs, Ont
Moffat Lake Explorations Inc	Toronto, Ont
Morningstar, Lorna	Oil Springs, Ont
Morningstar, Philip & Paul	Oil Springs, Ont
Morris, James	Englehart, Ont
Morrison, Doris E	Langton, Ont
Morrison, Robert J	Langton, Ont
Mothersbaugh, Albert B Donald & Helen	Oil Springs, Ont
Murphy Oil Co Ltd	Calgary, Alta
Mymryk, Wm	Stevensville, Ont
Nith River Petroleums Ltd	Cambridge, Ont
Onshore Petroleums Ltd	Islington, Ont
Ort, C H	Niagara Falls, Ont
Patterson Oil Development	Erieau, Ont
Pegg, L A	Morpeth, Ont
Pembina Exploration Co Ltd	Dunnville, Ont
Petrolia & Enniskillen Liquid Disposal & Recovery Co Ltd	Petrolia, Ont
The Corp of the Town of Petrolia (Petrolia Discovery)	Petrolia, Ont
Place Gas & Oil Co	Toronto, Ont
Pope, Wm	Bothwell, Ont
Portfield Industries Inc	North Bay, Ont
Putman, Scott J	Sarnia, Ont
Ram Petroleums Ltd	Toronto, Ont
Rayrock Resources Limited	Chatham, Ont
Realoil Enterprises Limited	Chatham, Ont
Roberts, C H	Coudersport, P A
Roth & Roth Ltd	Petrolia, Ont
E P Rowe Oil Ltd	London, Ont
Ruch, Ken	Stevensville, Ont
Sasko Oil & Gas Ltd	Dutton, Ont
Shain, Bob & Gare, Ian	Petrolia, Ont
Shawnee Petroleums Ltd	Toronto, Ont
Simon, B	Stevensville, Ont
Sitler, Delbert R	Wardsville, Ont
Smit, Jack R	Inwood, Ont
South West Petroleum	Windsor, Ont
Springhill Resources Ltd	Richmond, B C
Starlite Gas Company Ltd	Lakeview, N Y
Stevenson, Dorothy	Petrolia, Ont
Stevenson Drilling Ltd Charles G	Dresden, Ont
Stewart Oil Associates	Toronto, Ont
Suburn Petroleums Ltd	North Bay, Ont
Sunburst Oil Co	Lambeth, Ont
Symington, Wayne	Watford, Ont
Talcorp Services Ltd	Toronto, Ont
Tunks, James	Bothwell, Ont
Union Gas Ltd	Chatham, Ont
Universal Explorations Ltd	Calgary, Alta
Venison Creek Resources Ltd	Toronto, Ont
Wellandport Gas Co Ltd	Dunnville, Ont
Whorton Associates	Wellsville, N Y
Woods, Lloyd	Wyandotte, Mich
Yuez Gas Co	Buffalo, N Y
TOTAL	117

TABLE 15. ANNUAL AND CUMULATIVE OIL PRODUCTION, 1863-1981.

YEAR	ANNUAL PRODUCTION	CUMULATIVE PRODUCTION
	(m^3)	(m^3)
1863	18,124.5 (est.)	18,124.5
1864	23,530.1 (est.)	41,654.7
1865	28,935.7 (est.)	70,590.4
1866	34,341.3 (est.)	104,931.6
1867	39,746.8 (est.)	144,678.4
1868	45,152.4 (est.)	189,830.8
1869	50,558.0 (est.)	240,388.8
1870	56,774.4 (est.)	297,163.2
1871	57,910.6 (est.)	355,073.8
1872	59,046.9 (est.)	414,120.7
1873	60,183.2 (est.)	474,304.0
1874	61,319.5 (est.)	535,623.4
1875	62,455.8 (est.)	598,079.2
1876	63,592.1 (est.)	661,671.3
1877	64,728.3 (est.)	726,399.6
1878	65,864.6 (est.)	792,264.2
1879	67,000.9 (est.)	859,265.1
1880	68,137.3 (est.)	927,402.5
1881	72,673.1 (est.)	1,000,075.6
1882	77,221.7 (est.)	1,077,297.3
1883	81,764.9 (est.)	1,159,062.3
1884	87,215.8 (est.)	1,246,278.1
1885	93,120.5 (est.)	1,339,398.5
1886	97,662.7	1,437,061.2
1887	98,572.1	1,535,649.3
1888	115,265.8	1,650,899.2
1889	112,881.0	1,763,780.1
1890	119,240.5	1,883,020.6
1891	123,215.2	2,006,235.8
1892	121,625.3	2,127,860.9
1893	127,189.8	2,255,050.9
1894	131,164.5	2,386,215.4
1895	132,754.4	2,518,969.8
1896	124,010.1	2,642,979.9
1897	119,240.5	2,762,220.4
1898	122,420.2	2,884,640.6
1899	108,906.3	2,993,546.9
1900	107,316.4	3,100,863.3
1901	99,367.1	3,200,230.4
1902	84,263.3	3,284,493.7
1903	75,519.0	3,360,012.6
1904	77,108.8	3,437,121.5
1905	96,187.3	3,533,308.8
1906	93,637.5	3,626,946.3
1907	123,990.4	3,750,936.7
1908	84,097.8	3,835,034.4
1909	66,879.6	3,901,914.0
1910	49,987.2	3,951,901.2
1911	45,889.1	3,997,790.4
1912	38,305.6	4,036,096.0
1913	42,316.9	4,072,053.3
1914	33,784.0	4,105,837.3
1915	31,093.6	4,139,930.9
1916	31,300.8	4,171,231.7
1917	32,272.8	4,203,504.5
1918	45,909.2	4,249,413.7
1919	34,993.1	4,284,406.8
1920	28,895.9	4,313,302.7
1921	27,482.2	4,340,784.9
1922	26,190.3	4,366,975.2
1923	25,342.4	4,392,317.7
1924	24,534.4	4,416,852.1
1925	22,933.8	4,439,785.9
1927	22,195.6	4,483,758.1
1928	21,330.4	4,505,088.5
1929	19,257.3	4,524,345.8
1930	18,649.5	4,542,995.3
1931	19,454.3	4,562,449.6
1932	20,740.6	4,583,172.5
1933	21,631.5	4,604,804.0
1934	22,478.4	4,627,282.4
1935	26,239.3	4,653,521.7
1936	26,311.4	4,679,833.1
1937	26,265.5	4,706,098.6
1938	27,447.9	4,733,546.5
1939	32,811.6	4,766,358.2
1940	29,833.0	4,796,191.2
1941	25,348.6	4,821,539.8
1942	22,885.4	4,844,409.3
1943	21,064.5	4,865,473.9
1944	19,884.1	4,885,357.9
1945	18,017.1	4,903,375.0
1946	19,568.5	4,922,943.5
1947	20,874.2	4,943,817.7
1948	28,139.0	4,971,956.7
1949	41,443.2	5,013,400.0
1950	39,851.1	5,053,251.1
1951	31,347.7	5,084,598.8
1952	30,495.8	5,115,094.6
1953	47,646.1	5,162,740.7
1954	65,578.1	5,228,318.8
1955	83,549.3	5,311,868.1
1956	94,338.3	5,406,206.0
1957	99,155.0	5,505,361.3
1958	123,746.3	5,629,107.7
1959	159,238.5	5,788,346.2
1960	159,787.0	5,948,133.2
1961	182,690.2	6,130,823.4
1962	180,376.5	6,311,200.0
1963	191,639.5	6,502,839.4
1964	198,206.6	6,701,046.0
1965	203,370.5	6,904,416.5
1966	210,464.4	7,114,880.9
1967	197,191.6	7,312,072.5
1968	182,959.2	7,495,031.8
1969	184,725.6	7,679,757.4
1970	166,692.8	7,846,450.1
1971	152,326.4	7,998,776.5
1972	139,608.0	8,138,384.5
1973	128,564.9	8,266,949.4
1974	116,707.5	8,383,656.9
1975	111,978.4	8,495,635.3
1976	99,811.9	8,610,348.0
1977	98,372.1	8,708,718.1
1978	95,144.2	8,803,862.3
1979	91,984.0	8,895,846.3
1980	93,881.6	8,989,727.9
1981	90,173.9	9,079,901.8

TABLE 16. ANNUAL AND CUMULATIVE GAS PRODUCTION, 1890-1981.

YEAR	ANNUAL PRODUCTION	CUMULATIVE PRODUCTION
	(10^3m^3)	(10^3m^3)
1890-1905	Estimated	1,258,145.0
1906	71,788.8	1,329,933.8
1907	117,728.3	1,447,662.1
1908	126,994.4	1,574,656.5
1909	152,631.3	1,727,287.8
1910	205,754.8	1,933,042.6
1911	348,771.5	2,281,814.1
1912	352,822.4	2,634,636.5
1913	355,754.4	2,990,390.8
1914	398,371.0	3,388,761.8
1915	430,934.0	3,819,695.9
1916	507,895.5	4,327,591.4
1917	567,296.5	4,894,887.9
1918	370,173.3	5,265,061.2
1919	317,140.5	5,582,201.7
1920	298,718.8	5,880,920.4
1921	241,701.1	6,122,621.6
1922	242,722.8	6,365,344.4
1923	230,261.7	6,595,606.1
1924	208,803.3	6,804,409.3
1925	205,584.1	7,009,993.4
1926	220,292.6	7,230,288.0
1927	207,112.1	7,437,398.0
1928	216,220.3	7,653,618.3
1929	243,144.5	7,896,762.8
1930	225,021.1	8,121,783.9
1931	210,180.6	8,331,964.5
1932	209,235.0	8,541,199.4
1933	203,017.1	8,744,216.6
1934	217,639.8	8,961,856.4
1935	231,888.1	9,193,744.4
1936	283,471.0	9,477,215.4
1937	304,422.1	9,781,637.6
1938	310,271.1	10,091,908.7
1939	338,989.3	10,430,898.0
1940	369,776.8	10,800,674.8
1941	335,083.5	11,135,758.3
1942	296,785.9	11,432,544.2
1943	224,199.3	11,656,743.6
1944	200,633.3	11,857,376.9
1945	203,960.8	12,061,337.6
1946	199,749.5	12,261,067.1
1947	220,559.6	12,481,646.7
1948	243,349.7	12,724,996.4
1949	227,309.9	12,952,306.3
1950	235,184.4	13,179,199.0
1951	239,168.8	13,418,367.9
1952	226,892.8	13,653,552.3
1953	278,619.2	13,932,171.5
1954	283,728.1	14,215,899.6
1955	307,439.7	14,523,339.3
1956	362,927.5	14,886,266.8
1957	407,949.1	15,294,215.9
1958	457,440.1	15,723,328.0
1959	477,021.9	16,228,677.9
1960	517,174.1	16,745,852.0
1961	412,007.1	17,157,859.1
1962	441,740.7	17,599,599.8
1963	450,983.3	18,050,583.2
1964	391,378.7	18,441,961.9
1965	359,751.0	18,801,712.8
1966	440,136.6	19,241,849.4
1967	348,116.0	19,644,921.7
1968	341,800.8	19,986,722.5
1969	318,346.9	20,305,069.4
1970	471,645.9	20,776,715.3
1971	457,999.5	21,234,714.8
1972	350,562.7	21,585,277.4
1973	269,912.1	21,855,189.5
1974	213,506.8	22,068,699.1
1975	309,780.0	22,378,479.1
1976	140,439.3	22,503,522.6
1977	241,523.5	22,745,046.2
1978	352,998.5	23,098,044.7
1979	387,930.8	23,485,975.5
1980	445,231.9	23,931,207.4
1981	419,271.4	24,350,478.8

TABLE 17. OIL AND GAS POOLS — ONSHORE — SOUTHWESTERN ONTARIO.

NOTES: The numbers in the column labelled "Depth" are the maximum and minimum value of the producing interval. Oil is symbolized by superscript "O" and gas by "G". *Correction. Please note that previous editions are incorrect.

COUNTY	POOL	DISCOVERY DATE	PRODUCING FORMATIONS	RESERVOIR & TRAPPING MECHANISM	DEPTH (METRES)	ACTIVE WELLS GAS	ACTIVE WELLS OIL	1981 PRODUCTION (Oil m^3 – Gas 10^3m^3)	CUMULATIVE PRODUCTION (1981) (Oil m^3 – Gas 10^3m^3)
				DEVONIAN					
ELGIN	Dutton Oil	1923	Dundee-Lucas	Dolomitized zone in dome	91-104	—	—	—	397.5 O
	Rodney Oil	1949	Lucas	Dolomitized zone in dome	99-137	—	130	21,720.6 O	1,376,095.6 O
	Wallacetown (formerly Dutton) Oil	1898	Lucas	Dolomitized zone in dome	99-122	—	16	151.9 O	39,293.9 O
ESSEX	Belle River Oil	1913	Dundee	Dolomitized zone in dome	34-37	—	—	—	356.1 O
KENT	Bothwell-Thamesville Oil	1862	Dundee	Dolomitized zone in dome	91-122	—	33	1,445.9 O	503,247.1 O
	Kipp Oil & Gas	1907	Dundee-Lucas	Dolomitized zone in dome	110-137	—	—	—	—
	Prairie Siding Oil	1921	Dundee	Dolomitized zone in dome	46-76	—	—	—	3,548.6 O
	Raleigh Oil	1902	Dundee(?)	Dolomitized zone in dome	98(?)	—	—	—	—
	Richardson's Siding Oil	?	Dundee(?)	Dolomitized zone in dome	104-116	—	—	—	40.4* O
	Romney Oil	1906	Dundee	Dolomitized zone in dome	61-82	—	—	—	9,862.0 O
	Stewart Oil	1966	Dundee	Dolomitized zone in dome	110-122	—	—	—	44.4* O
LAMBTON	Dante Oil	1948	Dundee	Dolomitized zone in dome	70-75	—	—	—	2,726.6 O
	Florence-Oakdale Oil	1897	Dundee	Dolomitized zone in dome	73-110	—	—	—	3,895.2 O
	Inwood Oil	1918	Dundee	Dolomitized zone in dome	107-137	—	—	—	1,192.4 O
	McCready Oil	1932	Dundee	Dolomitized zone in dome	95-125	—	—	—	985.7 O
	Oil Springs Oil	1858	Dundee	Dolomitized zone in dome	107-122	—	419	5,396.3 O	1,474,914.8 O
	Payne Oil	Prior to 1915	Dundee	Dolomitized zone in dome	153-155	—	—	— —	
	Petrolia Oil	1862	Dundee-Lucas	Dolomitized zone in dome	122-152	—	106	4,755.9 O	2,736,920.2 O

COUNTY	POOL	DISCOVERY DATE	PRODUCING FORMATIONS	RESERVOIR & TRAPPING MECHANISM	DEPTH (METRES)	ACTIVE WELLS GAS	ACTIVE WELLS OIL	1981 PRODUCTION (Oil m^3 – Gas 10^3m^3)	CUMULATIVE PRODUCTION (1981) (Oil m^3 – Gas 10^3m^3)
	Plympton-Sarnia Oil & Gas	1898	Dundee	Dolomitized zone in dome	122-167	—	—	—	unknown O unknown G
	Shetland Oil	1898	Dundee-Lucas	Dolomitized zone in dome	102-119	—	—	—	—
	Watford-Kerwood Oil	1938	Dundee-Lucas	Dolomitized zone in dome	98-135	—	—	—	20,615.8 O
	Wilsoncroft Oil	1927	Dundee	Dolomitized zone in dome	122	—	2	24.5 O	unknown O
MIDDLESEX	Adelaide Oil	Prior to 1915	Dundee	Dolomitized zone in dome	107	—	—	—	—
	Glencoe Oil	1917	Dundee-Lucas	Dolomitized zone in dome	89-121	—	3	176.7 O	173,892.5 O
				SILURIAN					
BRANT	Brant (part of Haldimand) Oil & Gas	1910	Whirlpool	Porosity and permeability pinch-out in sandstone	159-189	25	—	1,549.5 G	unknown O unknown G
ELGIN	Aldborough 4-20-VII Gas	1974	A-1 Carbonate	—	429-434	1	—	77.6 G	100.1 G
	Bayham Gas — Eden Gas — Fairground Gas — Griffin Gas — Richmond Gas — Vienna	1910	Irondequoit Thorold Grimsby	Porosity and permeability pinch-out in dolomite and sandstone	360-442	—	—	—	163,537.5 G
	Cowal (Dunwich) Gas	1950	A-2 Carbonate A-1 Carbonate, Guelph	Dolomitized bioherm patch reef	350-381	2	—	316.4 G	894.2 G
	Dunwich 3-7-ABF Gas	1980	A-1 Carbonate	Dolomitized zone in dome	425-427	—	—	—	—
	Malahide Gas	1938	Guelph	Dolomitized pinnacle reef	335.0	—	—	—	119,969.1 G
	Mosald (also see Middlesex County)								
	Oil & Gas — Crinan	1954	A-1 Carbonate	Dolomitized zone in anticline	442-450	9	—	2,311.3 G	190,509.0 G
	Gas — Townline	1948	A-2 Carbonate A-1 Carbonate	Dolomitized zone in anticline	402-440	—	—	—	79,743.3 G
	Gas — Woodgreen	1948	A-1 Carbonate	Dolomitized zone in anticline	430	—	—	—	16,996.8 G
	Port Talbot Gas	1918	Thorold	Pinch-out in sandstone	457-466	—	—	—	—

CONTINUED

TABLE 17. CONTINUED.

COUNTY	POOL	DISCOVERY DATE	PRODUCING FORMATIONS	RESERVOIR & TRAPPING MECHANISM	DEPTH (METRES)	ACTIVE WELLS GAS	ACTIVE WELLS OIL	1981 PRODUCTION (Oil m^3 – Gas 10^3m^3)	CUMULATIVE PRODUCTION (1981) (Oil m^3 – Gas 10^3m^3)
ESSEX	Comber Oil & Gas	1902	Guelph	Dolomitized bioherm patch reef	365	—	—	—	—
	Kingsville — Gas Leamington — Gas Mersea — Oil	1889 1975	A-1 Carbonate Guelph	Dolomitized bioherm patch reef	280-317	—	7	1,951.0 O	43,014.0 O 670,155.5 G
	Malden Gas	1939	A-2 Carbonate A-1 Carbonate, Guelph	Dolomitized stromatolitic (?) mound	254-296	—	—	—	—
	Oxley Gas	1964	A-1 Carbonate Guelph	Dolomitized monadnock on Guelph	271-283	—	—	—	1,784.7 G
	Pelee Island #1 Oil & Gas	1895	A-1 Carbonate Guelph	Dolomitized monadnock on Guelph surface	226-232	—	—	—	1,065.2 O
	Pelee Island # 2 Oil	1964	Guelph	Dolomitized monadnock on Guelph surface	273-277	—	—	—	73.9 O
	Staples Oil & Gas	1948	Guelph A-1 Carbonate	Dolomitized bioherm patch reef	347-354	—	—	—	732.1 O 3,257.7 G
HALDIMAND	Haldimand (includes Lincoln, Wentworth) Gas & Oil	1891	Thorold, Grimsby, Whirlpool	Porosity and permeability pinch-out in dolomite and sandstone	152-274	136	—	1,411.2 G	6,582.1 O 5,983.7 G
	Lincoln (part of Haldimand)	1891	Irondequoit, Thorold, Grimsby	Porosity and permeability pinch-out in dolomite and sandstone	152-213	—	—	—	—
HURON	Ashfield 5-IX-WD Gas	1979	Guelph	Pinnacle reef	547-565	—	—	—	—
	Ashfield 7-I-III Gas	1979	Guelph	Pinnacle reef	565-593	—	—	—	—
	Bayfield Gas	1956	Guelph	Dolomitized pinnacle reef	463-581	—	—	—	61,471.8 G
	Dashwood Gas	1955	Guelph	Dolomitized pinnacle reef	518-526	—	—	—	—
	Dungannon Gas	1967	Guelph	Dolomitized pinnacle reef	469-547	—	—	—	—
	Grand Bend Oil	1955	Guelph	Dolomitized pinnacle reef	538-567	—	5	3,294.0 O	87,981.2 O
	Tipperary Gas & Oil	1969	Guelph	Dolomitized pinnacle reef	561-591	3	1	250.2 O 3,368.6 G	399.0 O 3,951.8 G
	Zurich Gas	1954	Guelph	Dolomitized pinnacle reef	547-594	—	—	—	28,328.0 G
KENT	Botany Gas	1958	A-1 Carbonate	Dolomitized stromatolitic (?) mound	504-579	2	—	936.9 G	6,312.2 G

COUNTY	POOL	DISCOVERY DATE	PRODUCING FORMATIONS	RESERVOIR & TRAPPING MECHANISM	DEPTH (METRES)	ACTIVE WELLS GAS	ACTIVE WELLS OIL	1981 PRODUCTION (Oil m^3 – Gas 10^3m^3)	CUMULATIVE PRODUCTION (1981) (Oil m^3 – Gas 10^3m^3)
	Camden Gore Gas	1936	A-2 Carbonate A-1 Carbonate, Guelph	Dolomitized zones in A-2, A-1 in anticline	434-495	12	—	1,281.5 G	—
	Chatham Gas & Oil	1936	A-2 Carbonate A-1 Carbonate, Guelph	Dolomitized pinnacle reef	434-495	14	1	319.4 O 1,002.5 G	2,718.4 O 9,795.1 G
	Chatham Gore Gas	1951	A-1 Carbonate	Dolomitized zone in dome	538-549	—	—	—	623.2 G
	D'Clute Gas & Oil	1929	A-2 Carbonate A-1 Carbonate, Guelph	Dolomitized bioherm patch reef	457-482	1	—	202.8	500.2 O 560,387.8 G
	Doyles Gas & Oil	1917	A-1 Carbonate (?) Guelph	Dolomitized bioherm patch reef	458-503	—	—	—	—
	Dresden Oil & Gas	1936	A-2 Carbonate A-1 Carbonate	Dolomitized zones in A-2, A-1 in anticline	434-457	—	1	166.7 O	See Chatham
	Fletcher Oil	1905	A-1 Carbonate	Dolomitized zones in flanking beds draping over Guelph	427-457	—	—	—	190,784.4 O
	Glenwood Oil	1906	Guelph	Dolomitized bioherm patch reef	422-430	—	—	—	—
	Guilds Gas	1953	A-2 Carbonate	Dolomitized stromatolitic (?) mound	474-477	—	—	—	7,846.9 G
	Morpeth Gas	1954	A-2 Carbonate	Dolomitized stromatolitic (?) mound	495-504	8	—	843.3 G	132,500.4 G
	New Wheatley Gas	1948	Guelph	Dolomitized monadnock on Guelph surface	366	—	—	—	—
	St. Patricks Gas	1971	Guelph	Dolomitized bioherm patch reef	449	—	—	—	—
	Tilbury Gas & Oil	1906	A-2 Carbonate A-1 Carbonate, Guelph	Dolomitized bioherm patch reef	356-427	33	—	— 8,568.1 G	497.9 O 5,953,772.1 G
	Wheatley Oil & Gas	1902	Guelph	Dolomitized monadnock on Guelph surface	393-396	—	—	—	1,446.8 O
	Wolfe Gas	1952	A-2 Carbonate	Dolomitized stromatolitic (?) mound	468-472	1	—	130.5 G	6,424.6 G
	Zone Gas storage	1943	A-2 Carbonate A-1 Carbonate	Dolomitized zone in anticline and dome	427-488	29	—	1,853.2 G	259,600.3 G
LAMBTON	Avonry Gas	1963	Guelph	Dolomitized incipient bioherm reef	660-671	—	—	—	10,708.0 G
	Becher East Gas	1946	Guelph	Dolomitized bioherm patch reef	582-588	—	—	—	—
	Becher West Oil & Gas	1946	A-1 Carbonate Guelph	Dolomitized zones in anticline	556-606	28	20	6,421.1 O 1,657.4 G	356,849.2 O 172,766.3 G

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TABLE 17. CONTINUED.

COUNTY	POOL	DISCOVERY DATE	PRODUCING FORMATIONS	RESERVOIR & TRAPPING MECHANISM	DEPTH (METRES)	ACTIVE WELLS GAS	ACTIVE WELLS OIL	1981 PRODUCTION (Oil m^3 – Gas 10^3m^3)	CUMULATIVE PRODUCTION (1981) (Oil m^3 – Gas 10^3m^3)
LAMBTON CONT.	Bentpath Gas storage	1970	Guelph	Dolomitized pinnacle reef	503-564	—	—	—	151,781.4 G
	Bickford Gas & Oil Storage	1950	A-1 Carbonate Guelph	Dolomitized pinnacle reef	562-640	—	—	—	214.6 O 587,211.1 G
	Brigden Gas & Oil	1963	A-1 Carbonate	Dolomitized zone along fault	634-686	2	2	266.9 O 1,317.3 G	10,166.3 O 67,859.0 G
	Brooke Oil	1965	Guelph	Dolomitized incipient bioherm reef	517	—	3	3,394.1 O	42,335.4 O
	Charlemont Gas	1954	A-2 Carbonate	Dolomitized zone in dome	492-504	—	—	—	9,291.6 G
	Clay Creek Oil	1966	Guelph	Dolomitized incipient bioherm reef	687-698	—	—	—	—
	Colinville East (Moore 2-13-VIII?) Gas	1976	A-1 Carbonate	Dolomitized pinnacle reef	717-726	—	—	—	—
	Corey East Oil	1978	Guelph	Dolomitized pinnacle reef	564-605	—	1	1,551.8 O	3,700.8 O
	Corunna Gas storage, Oil	1950	A-1 Carbonate Guelph	Dolomitized pinnacle reef	655-747	4	24	7,520.3 O 240.2 G	233,199.80 O —
	Courtwright Gas	1966	Guelph	Dolomitized incipient bioherm reef (?)	732-741	—	—	—	17,761.7 G
	Coveny Gas	1971	Guelph	Dolomitized incipient bioherm reef	591-626	1	—	8,064.5 G	14,820.7 G
	Cromar (Moore 6-3-II) Gas & Oil	1969	Guelph	Dolomitized incipient bioherm reef	638-646	2	3	1,266.3 O 602.7 G	7,465.9 O 27,755.8 G
	Dawn Misc. Gas & Oil	1921	A-2 Carbonate A-1 Carbonate, Guelph	Dolomitized zones in pinnacle reef and flanking beds	466-596	15	13	1,502.8 O 8,070.7 G	57,146.8 O 158,957.7 G
	includes:								
	Dawn 2-23-I	2-28-II							
	23-II	4-28-III							
	25-XI	7-28-V							
	24-25-XIII	6-28-IX							
	1-26-II	5-30-IV							
	2-26-II	30-X							
	5-27-I	Dawn Sombra							
	1-27-VI								

COUNTY	POOL	DISCOVERY DATE	PRODUCING FORMATIONS	RESERVOIR & TRAPPING MECHANISM	DEPTH (METRES)	ACTIVE WELLS GAS	ACTIVE WELLS OIL	1981 PRODUCTION (Oil m^3 – Gas 10^3m^3)	CUMULATIVE PRODUCTION (1981) (Oil m^3 – Gas 10^3m^3)
	Dawn #1 Gas	1914	A-2 Carbonate A-1 Carbonate	Dolomitized zones in flanking beds draping over Guelph incipient bioherm reefs	480-482	1	—	628.1 G	31,495.4 G
	Dawn 47-49 Gas storage	1930	A-2 Carbonate A-1 Carbonate, Guelph	Dolomitized pinnacle reef	481-591	—	—	—	143,566.3 G
	Dawn 59-85 Gas storage	1931	A-2 Carbonate A-1 Carbonate, Guelph	Dolomitized pinnacle reef	481-503	—	—	—	236,680.4 G
	Dawn 156 Gas & Oil	1952	A-2 Carbonate A-1 Carbonate, Guelph	Dolomitized pinnacle reef	494-611	—	1	278.5 O	38,391.2 O 600,377.0 G
	Dawn 167 Gas	1952	A-2 Carbonate A-1 Carbonate, Guelph	Dolomitized pinnacle reef	457-538	—	—	—	141,215.1 G
	Dow Moore 3-21-XII Gas	1977	Guelph	Dolomitized pinnacle reef	701-753	3	—	1,040.7 G	198,695.3 G
	Duthill Gas	1950	Guelph	Dolomitized pinnacle reef	515-518	—	—	—	141.6 G
	Edys Mills Oil & Gas	1977	Guelph	—	610	—	—	1,906.7 O	4,861.9 O
	Enniskillen 26 Gas	1952	Guelph	Dolomitized zone along fault (?) Pinnacle Reef	646-668	0	—	0.1 G	1,617.1 G
	Enniskillen 28 Gas	1954	Guelph	Dolomitized pinnacle reef	564-620	—	—	—	55,098.0 G
	Enniskillen 30 Oil	1977	Guelph	Dolomitized pinnacle reef	598-601	—	1	86.1 O	2,393.3 O
	Kimball-Colinville Gas storage & Oil	1947	A-1 Carbonate Guelph	Dolomitized zones in pinnacle reefs and anticline	605-725	—	—	— —	16,931.0 O 971,650.4 G
	Ladysmith Oil	1970	Guelph	Dolomitized pinnacle reef	448-500	—	3	2,384.5 O	72,106.7 O
	Logierait Gas	1956	Guelph	Dolomitized incipient bioherm reef	748-750	—	—	—	—
	Mandamin Gas	1956	Guelph	Dolomitized pinnacle reef	661-681	—	—	—	54,049.8 G

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TABLE 17. CONTINUED.

COUNTY	POOL	DISCOVERY DATE	PRODUCING FORMATIONS	RESERVOIR & TRAPPING MECHANISM	DEPTH (METRES)	ACTIVE WELLS GAS	ACTIVE WELLS OIL	1981 PRODUCTION (Oil m^3 – Gas 10^3m^3)	CUMULATIVE PRODUCTION (1981) (Oil m^3 – Gas 10^3m^3)
LAMBTON CONT.	Moore 5-6-III Gas	1980	Guelph	Dolomitized pinnacle reef	630-647	—	—	—	—
	Moore 2-13-VIII (see Colinville East)								
	Moore 6-20-XII Gas	1978	A-1 Carbonate Guelph	Pinnacle reef (?)	730-783	—	—	—	—
	Oil City (Enniskillen 1-16-IV) Gas	1975	A-1 Carbonate Guelph	Pinnacle reef	541-574	—	—	—	—
	Oil Springs Enniskillen 19-II) Gas	1913	Guelph	Dolomitized incipient bioherm reef	564-594	—	—	—	—
	Oil Springs East Gas & Oil	1913	Guelph	Dolomitized incipient bioherm reef	564-594	1	1	66.7 O 10,553.5 G	— —
	Osborne Oil	1976	Guelph	Dolomitized bioherm patch reef	693	—	1	149.9 O	1,648.9 O
	Otter Creek Gas	1968	A-1 Carbonate Guelph	Dolomitized incipient bioherm reef	553-634	4	—	346.3 G	52,275.2 G
	Otter Creek East Gas	1969	Guelph	Dolomitized incipient bioherm reef	585-591	4	—	673.6 G	2,464.5 G
	Payne Gas storage	1949	Guelph	Dolomitized pinnacle reef	597-727	—	—	—	272,600.3 G
	Petrolia East Oil & Gas	1972	Guelph	Dolomitized pinnacle reef	580-625	—	6	2,716.7 O	32,735.7 O
	Plympton 5-19-VI Oil	1979	Guelph	Dolomitized pinnacle reef	725-728	—	3	5,400.6 O	10,557.6 O
	Rosedale Gas storage	1970	Guelph	Dolomitized pinnacle reef	503-594	—	—	—	80,054.9 G
	Sarnia 1-8-A Gas	1980	Guelph Goat Island	Pinnacle reef	691-799	—	—	—	—
	Seckerton– Seckerton North Gas & Oil	1952	A-1 Carbonate Guelph	Dolomitized pinnacle reef	640-719	—	—	—	202,668.4 O 239,003.3 G
	Shetland Gas & Oil	1914	A-1 Carbonate Guelph	Dolomitized incipient bioherm reef	475-503	—	1	12.4 O	164.1 O
	Sombra Gas storage & Oil	1951	Guelph	Dolomitized pinnacle reef	553-628	—	—	191.3 O —	609.4 O 54,588.1 G
	Sombra Misc. Oil	1921	Guelph	Dolomitized pinnacle reef	610	—	1	55.1 O	714.1 O

COUNTY	POOL	DISCOVERY DATE	PRODUCING FORMATIONS	RESERVOIR & TRAPPING MECHANISM	DEPTH (METRES)	ACTIVE WELLS GAS	ACTIVE WELLS OIL	1981 PRODUCTION (Oil m^3 – Gas 10^3m^3)	CUMULATIVE PRODUCTION (1981) (Oil m^3 – Gas 10^3m^3)
	Sombra 2-23-XII Gas	1978	A-1 Carbonate Guelph	Dolomitized pinacle reef	604-619	—	—	—	—
	Sombra 6-28-IX Oil (part of Dawn Misc.)	1973	A-1 Carbonate Guelph	Dolomitized incipient bioherm reef	588-590	—	—	—	—
	Sutorville Oil	1963	Guelph	Dolomitized incipient bioherm reef	600-628	—	2	147.1 O	9,485.4 O
	Talford Oil	1959	Guelph	Dolomitized bioherm patch reef	775-788	—	—	—	2,355.1 O
	Terminus Gas storage	1968	Guelph	Dolomitized pinnacle reef	488-552	—	—	—	239,201.6 G
	Terminus North Oil & Gas	1969	Guelph	Dolomitized pinnacle reef	605-616	—	—	—	366.0 O
	Wanstead Oil	1958	Guelph	Dolomitized pinnacle reef	603-617	—	3	495.5 O	80,710.6 O
	Warwick Oil	1953	Guelph	Dolomitized pinnacle reef	538-573	—	1	860.6 O	107,278.1 O
	Warwick 6-17-IV Oil	1978	Guelph	Dolomitized incipient bioherm reef (?)	610-619	—	—	—	—
	Waubuno Gas & Oil	1951	Guelph	Dolomitized pinnacle reef	555-621	—	—	—	315.4 O 170,987.8 G
	Wilkesport Gas & Oil	1965	Guelph	Dolomitized pinnacle reef	604-652	—	—	—	567.3 O 237,105.4 G
MIDDLESEX	Crumlin Gas	1915	Guelph	Dolomitized bioherm patch reef	282	—	—	—	424.9 G
	Mosald (partly in Elgin)	1930	A-2 Carbonate A-1 Carbonate Grimsby	Dolomitized zones in anticline: Porosity and permeability pinch-out in sandstone	see below	9	—	2,311.3 G	190,509.0 G
	Mosa — Oil	1966	A-1 Carbonate	Dolomitized zone in anticline	454-459	—	1	144.0 O	4,075.9 O
	Newbury — Gas	1930	A-1 Carbonate Grimsby	Dolomitized zone in anticline: & Porosity pinch-out in sandstone	460-569	—	—	—	—
	Wardsville — Gas	1948	A-2 Carbonate	Dolomitized zone in anticline	370-460	—	—	—	77,788.7 G
NORFOLK	Cultus (see Norfolk Pool) Hemlock Gas	1972	Thorold Grimsby	Porosity and permeability pinch-out in sandstone	430-442	7	—	1,346.1 G	13,300.7 G
	Norfolk (includes Cultus) Gas	1906	Irondequoit Thorold, Grimsby	Porosity and permeability pinch-out in dolomite and sandstone	274-432	187	—	25,083.2 G	1,272,817.1 G
	Townsend Gas	1968	Thorold Grimsby	Porosity and permeability pinch-out in sandstone	227-256	—	—	—	—

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TABLE 17. CONTINUED.

COUNTY	POOL	DISCOVERY DATE	PRODUCING FORMATIONS	RESERVOIR & TRAPPING MECHANISM	DEPTH (METRES)	ACTIVE WELLS GAS	ACTIVE WELLS OIL	1981 PRODUCTION (Oil m^3 – Gas 10^3m^3)	CUMULATIVE PRODUCTION (1981) (Oil m^3 – Gas 10^3m^3)
	Venison Creek Gas	1971	Thorold Grimsby	Porosity and permeability pinch-out in sandstone	424-427	—	—	—	—
	Wilsonville Gas	1966	Thorold	Porosity and permeability pinch-out in sandstone	242-251	—	—	—	3,512.7 G
	Wilsonville South Gas	1967	Thorold Grimsby	Porosity and permeability pinch-out in sandstone	233-259	10	—	150.5 G	10,164.7 G
OXFORD	Brownsville Gas	1935	Guelph	Dolomitized bioherm patch reef	277	—	—	—	112,790.0 G
	Norwich South Gas	1944	Irondequoit	Porosity and permeability pinch-out in dolomite	314-338	—	—	26.7 G	13,685.8 G
	Verschoyle West Gas	1966	Guelph	Dolomitized bioherm patch reef	570-576	—	—	—	8,526.7 G
WELLAND	Crowland Gas storage	1951	Grimsby Whirlpool	Porosity and permeability pinch-out in dolomite and sandstone	266-396	—	—	—	15,212.1 G
	Welland Gas	1889	Irondequoit, Thorold, Whirlpool Grimsby	Porosity and permeability pinch-out in dolomite and sandstone	231-259	108	—	1,914.2 G	1,507,196.8 G
				ORDOVICIAN					
BRUCE	Hepworth (off map) Gas	Prior to 1900	Trenton-Black River	Dolomitized zones in deformed basal limestones	580	—	—	—	708.2 G
ELGIN	Aldborough 4-A-VIII Oil Producer, Gas Show	1980	Black River	Dolomite in stratigraphic trap	1178-1184	—	1	346.7 O	708.3 O
ESSEX	Colchester Oil	1957	Trenton-Black River	Dolomitized zone in faulted syncline	637-731	—	4	765.5 O	104,627.2 O
	Gosfield South Oil	1961	Trenton	Dolomitized zone in faulted syncline	733-745	—	—	—	—
	Malden Oil	1961	Trenton-Black River	Dolomitized zone in faulted syncline	716-731	—	4	346.3 O	2,880.1 O
	Malden 3-41-IV Oil	1977	Trenton	Dolomitized zone in fault?	733-752	—	1	270.6 O	703.6 O
	Ruscom River Oil	1970	Trenton	Dolomitized zone in faulted syncline	832-847	—	1	28.7 O	802.6 O
GREY	Egremont (off map) Gas	1966	Black River	Dolomitized zone in basal limestone	664-670	—	—	—	—
HALTON	Acton (off map) Gas & Oil	1954	Black River	Dolomitized zone in anticline	530-594	—	—	—	14,022.4 G
	Hornby (off map) Gas	1959	Black River	Dolomitized zone in anticline	466-492	—	—	—	1,076.5 G

COUNTY	POOL	DISCOVERY DATE	PRODUCING FORMATIONS	RESERVOIR & TRAPPING MECHANISM	DEPTH (METRES)	ACTIVE WELLS GAS	ACTIVE WELLS OIL	1981 PRODUCTION (Oil m^3 – Gas 10^3m^3)	CUMULATIVE PRODUCTION (1981) (Oil m^3 – Gas 10^3m^3)
KENT	Dover Gas & Oil	1917	Trenton-Black River	Dolomitized zone in faulted syncline	890-938	5	1	55.8 O 1,364.4 G	38,643.8 O 362,462.3 G
	Stevenson Oil	1957	Trenton	Dolomitized zone in dome	823-826	—	—	—	525.6 O
PRINCE EDWARD	Picton (off map) Gas	1937	Trenton-Black River	Porous bioclastic zones in fault block (?)	68-149	—	—	—	56.7 G
WELLINGTON	Arthur Gas	1968	Black River	Dolomitized zones in basal limestone	674-722	3	—	1,135.4 G	16,407.8 G
				CAMBRIAN					
ELGIN	New Glasgow Gas	1959	Cambrian	Porosity pinchout in sandy dolomite	1201	—	—	—	—
	Willey Oil & Gas	1964	Cambrian	Sandy dolomite in fault trap	1079-1102	—	12	5,778.9 O	231,020.5 O
KENT	Clearville Oil	1962	Cambrian	Sandy dolomite in tilted fault block	1188-1206	—	10	3,102.8 O	205,644 O
	Electric Gas	1948	Cambrian	Dolomite in stratigraphic trap	1209-1215	—	—	—	1,869.7 G
	St. Patricks Gas	1970	Cambrian	Dolomite in stratigraphic trap	1132-1134	—	—	—	—
	Zone 5-III Oil	1925	Cambrian	Dolomite in stratigraphic trap	1204-1213	—	—	—	92.0 O
MIDDLESEX	North Willey (formerly Ekfrid) Oil & Gas	1973	Cambrian	Dolomite in stratigraphic trap	1085-1088	—	2	472.9 O	6,747.9 O 1,898.0 G
OXFORD	Gobles Oil & Gas	1959	Cambrian	Dolomitic sandstone in stratigraphic trap	891-907	—	38	2,425.1 O	214,130.2 O 25,353.6 G
	Innerkip Gas & Oil	1961	Cambrian	Dolomitic sandstone in stratigraphic trap	873-890	5	5	108.0 O 6,915.5 G	3,121.1 O 56,660.8 G
	Innerkip East Gas	1968	Cambrian	Dolomitic sandstone in stratigraphic trap	868-879	—	—	—	2,351.2 G
	Verschoyle Oil	1963	Cambrian	Dolomitic sandstone in stratigraphic	1015-1018	—	—	—	208.4 O
WENTWORTH	Rockton (off map) Gas	1960	Cambrian	Sandstone in stratigraphic trap	719	—	—	—	—

TABLE 18. ONTARIO OIL PRODUCTION BY FIELDS, 1981.

COUNTY	FIELD	TOWNSHIP	PRODUCING HORIZONS	WELLS		PRODUCTION	COMPANY
				ACTIVE	SUSP.	m³	
ELGIN	Aldborough 4-A-VIII	Aldborough	Black River	1	0	346.7	Realoil
	Rodney	Aldborough	Lucas	130	38	21,720.6	Canada-Cities Service, Rayrock
	Wallacetown	Dunwich	Lucas	16	125	151.9	Marcus
	Willey	Dunwich	Cambrian	12	2	5,778.9	DenMar, IU
ESSEX	Colchester	Colchester S.	Gull River	4	0	765.5	Gaiswinkler
	Kingsville	Gosfield S.	Guelph	7	0	1,951.0	Gaiswinkler
	Malden	Malden	Cobourg Gull River A-1 Carbonate	4	0	346.3	Gaiswinkler
	Malden 3-41-4	Malden	Verulam	1	0	270.6	Gaiswinkler
	Ruscom River	Rochester	Kirkfield	1	0	28.7	Forbes
HURON	Grand Bend	McGillivray	Guelph	5	0	3,294.5	Sunburst
	Tipperary	Goderich	Guelph	1	0	250.2	Moffat Lake
KENT	Bothwell-Thamesville	Zone	Dundee Lucas	33	6	1,445.9	Various
	Chatham	Chatham	A-2 Carbonate A-1 Carbonate Guelph	1	0	319.4	Ridell-Hanna
	Clearville	Orford	Cambrian	10	6	3,102.8	Murphy
	Dover	Dover	Gull River	1	0	55.8	Comfort
	Dresden	Camden	A-2 Carbonate A-1 Carbonate	1	0	166.7	Brett
LAMBTON	Becher West	Sombra	A-1 Carbonate	20	8	6,421.1	Murphy
	Brigden	Moore	A-1 Carbonate	2	2	266.9	Consumers'
	Brooke	Brooke	Guelph	3	0	3,394.1	Bluewater, Crich
	Corey East	Enniskillen	A-1 Carbonate	1	0	1,551.8	Ram
	Corunna	Moore	A-1 Carbonate	0	25	7,520.3	Imperial Oil
	Cromar	Moore	Guelph	3	0	1,266.3	Various
	Dawn (Misc.)	Dawn	A-2 Carbonate Guelph	13	0	1,502.8	Various
	Dawn 156	Dawn	A-2 Carbonate A-1 Carbonate	1	0	278.5	Imperial Oil
	Edys Mills	Dawn	Guelph	1	0	1,906.7	Ram
	Enniskillen 30	Moore	Guelph	1	0	86.1	Bluewater
	Ladysmith	Moore	Guelph	3	2	2,384.5	McClure
	Oil Springs	Enniskillen	Dundee	419	38	5,396.3	Various
	Oil Springs, East	Enniskillen	Guelph	1	0	66.7	Camel
	Osborne	Moore	Guelph	1	0	149.9	McClure
	Petrolia	Enniskillen	Dundee Lucas	106	19	4,755.9	Various
	Petrolia East	Enniskillen	Guelph	6	2	2,716.7	Ram
	Plympton 5-19-VI	Sarnia	Guelph	3	0	5,400.6	Bluewater
	Shetland	Euphemia	A-1 Carbonate Guelph	1	0	12.4	Annett

TABLE 18. CONTINUED.

COUNTY	FIELD	TOWNSHIP	PRODUCING HORIZONS	WELLS ACTIVE	WELLS SUSP.	PRODUCTION m^3	COMPANY
	Sombra	Sombra	Guelph	1	0	191.3	Ram
	Sombra (Misc.)	Sombra	Guelph	1	0	55.1	Crawford
	Sutorville	Brooke	Guelph	2	0	147.1	Brett, LMG
	Wanstead	Enniskillen	Guelph	3	0	495.5	Roth & Roth
	Warwick	Warwick	Guelph	1	1	860.6	Murphy
	Wilson Croft	Enniskillen	Dundee	2	0	24.5	S & W
MIDDLESEX	Glencoe	Mosa	Dundee Lucas	3	0	176.7	Ameracrude
	Mosa	Mosa	A-1 Carbonate	1	0	144.0	Gaiswinkler
	North Willey	Ekfrid	Cambrian	2	2	472.9	A.I.S.
OXFORD	Gobles	Blenheim	Cambrian	38	9	2,425.1	Rayrock
	Innerkip	Blandford	Cambrian	5	0	108.0	Various
GRAND TOTAL				871	285	90,173.9m^3	

TABLE 19. OIL PRODUCTION IN ONTARIO BY FIELD, 1977-1981.

COUNTY	FIELD	1977 m³	1978 m³	1979 m³	1980 m³	1981 m³
ELGIN	Aldborough 4-A-VIII	—	—	—	361.6	346.7
	Rodney	29499.8	26269.3	24287.0	23442.4	21720.6
	Wallacetown	129.4	141.5	118.0	151.9	151.9
	Willey	11340.8	9195.0	7367.0	7998.6	5778.9
ESSEX	Colchester	992.7	1207.0	1043.0	696.4	765.5
	Kingsville	1167.1	1540.0	4590.0	3646.7	1951.0
	Malden	363.4	422.0	283.0	418.4	346.3
	Malden 3-41-4	—	98.6	72.0	262.4	270.6
	Ruscom River	84.9	100.8	17.0	51.0	28.7
HURON	Grand Bend	2502.3	4076.6	4454.0	4267.0	3294.5
	Tipperary	—	—	—	148.8	250.2
KENT	Bothwell-Thamesville	1491.1	1569.2	1425.0	1572.6	1445.9
	Chatham	530.9	498.3	311.0	162.0	319.4
	Clearville	3881.5	3790.9	3324.0	3471.4	3102.8
	Dover	64.5	66.8	65.0	75.7	55.8
	Dresden	263.6	219.4	178.0	181.7	166.7
	Zone 5-III	—	—	92.0	—	—
LAMBTON	Becher West	7369.9	6763.0	6168.0	6636.9	6421.1
	Brigden	370.9	308.3	243.0	300.2	266.9
	Brooke	3465.2	3538.4	5257.0	4015.7	3394.1
	Corey East	—	2141.9	—	—	1551.8
	Corunna	2884.2	2595.8	3018.0	5890.7	7520.3
	Cromar	584.0	752.2	559.0	659.7	1266.3
	Dawn (Misc)	1191.5	1651.5	1488.0	1790.1	1502.8
	Dawn 156	612.3	572.4	222.0	276.5	278.5
	Dawn-Sombra	96.7	—	—	—	—
	Edys Mills	17.8	419.9	684.0	1833.5	1906.7
	Enniskillen 30	1167.1	564.1	315..	261.0	86.1
	Ladysmith	3864.7	3467.4	2968.0	2900.9	2384.5
	Oil Springs	3867.3	3982.9	4123.0	4854.1	5396.3
	Oil Springs E	114.3	147.0	68.0	363.0	66.7
	Osborne	905.8	459.6	105.0	28.6	149.9
	Petrolia	3279.5	3322.7	3223.0	4887.2	4755.9
	Petrolia E	3532.9	3510.8	2869.0	2835.4	2716.7
	Plympton 5-19-VI	—	—	2093.0	3064.0	5400.6
	Seckerton	4027.3	3385.2	3432.0	—	—
	Shetland	4.6	4.8	—	—	12.4
	Sombra	16.7	126.1	68.0	164.9	191.3
	Sombra (Misc)	14.3	—	—	19.0	55.1
	Sutorville	232.0	149.3	87.0	221.8	147.1
	Wanstead	703.2	915.9	973.0	703.0	495.5
	Warwick	1428.8	1269.4	1385.0	922.8	860.6
	Wilson Croft	23.7	14.3	—	—	24.5
MIDDLESEX	Glencoe	—	—	—	84.0	176.7
	Mosa	184.6	162.5	194.0	175.0	144.0
	North Willey	984.6	1238.0	997.0	573.7	472.9
OXFORD	Gobles	4991.7	4211.6	3657.0	3364.4	2425.1
	Innerkip	124.8	192.0	162.0	146.9	108.0
TOTALS		98,372.4	95,209.0	91,984.0	93,881.6	90,173.9

TABLE 20. PERCENT OIL PRODUCTION BY AGE, 1977-1981.

AGE	1977	1978	1979	1980	1981
Devonian	38.9	37.1	36.0	37.3	37.4
Silurian	37.9	41.3	45.4	44.1	47.4
Ordovician	1.5	2.0	1.6	2.0	2.0
Cambrian	21.7	19.6	17.0	16.6	13.2
TOTALS	100.0%	100.0%	100.0%	100.0%	100.0%

TABLE 21. OIL PRODUCTION BY COUNTY, 1981.

COUNTY	PRODUCTION m3	% OF ONTARIO TOTAL
Elgin	27,998.1	31.1
Essex	3,362.1	3.7
Huron	3,544.7	3.9
Kent	5,090.6	5.7
Lambton	46,851.7	51.9
Middlesex	793.6	0.9
Oxford	2,533.1	2.8
TOTAL	90,173.9	100.0

TABLE 22. ONTARIO GAS PRODUCTION BY FIELDS, 1981.

COUNTY	FIELD	TOWNSHIP	FORMATIONS	WELLS ACT.	WELLS SUSP.	AVERAGE SHUT-IN W.H.P. (KPA)	PRODUCTION m^3	PRODUCER
BRANT	Brant	n/a	Irondequoit	25	0	604	1,549,490	Hyslop
ELGIN	Aldborough	Aldborough	A-1 Carbonate	1	0	—	77,600	Coatsworth
	Cowal	Dunwich	A-2 Carbonate A-1 Carbonate Guelph	2	1	2,305	316,400	Union
	Mosald	n/a	A-2 Carbonate A-1 Carbonate Grimsby	9	1	2,386	2,311,300	Union
	Silver Cr. (Lake Erie)	Lake Erie	Guelph Thorold Grimsby	48	50	3,375	55,217,000	Consumers'
HALDIMAND	Haldimand	All Twps.	Thorold Grimsby Whirlpool	136	2	2,627	1,411,200	various
	Maitland (Lake Erie)	Lake Erie	Thorold	123	44	124	71,029,680	various
	Selkirk (Lake Erie)	Lake Erie	Grimsby	82	4	1,147	17,929,300	Mitchell, Place
HURON	Tipperary	Goderich	Guelph	3	0	1,650	3,368,600	Moffat
KENT	Botany	Howard	A-1 Carbonate	2	1	—	936,900	Cameron
	Camden Gore	Camden	A-2 Carbonate A-1 Carbonate Guelph	12	1	2,552	1,281,500	Union
	Chatham	Chatham	A-2 Carbonate	14	4	2,016	1,002,500	Union York
	Dover	Dover	A-1 Carbonate Guelph Gull River	5	0	1,574	1,364,400	J.W.K. Union
	D'Clute	Raleigh	A-2 Carbonate	1	0	1,640	202,800	Union
	D'Clute (Lake Erie)	Lake Erie	A-2 Carbonate A-1 Carbonate	11	0	2,153	2,482,400	C.W.P. Dean
	Morpeth	Howard	A-2 Carbonate	8	3	1,319	843,300	Pegg
	Morpeth (Lake Erie)	Lake Erie	A-2 Carbonate	19	16	4,666	89,008,400	Consumers'
	Tilbury	Tilbury E.	A-2 Carbonate A-1 Carbonate Guelph	33	3	731	8,568,100	Union
	Tilbury (Lake Erie)	Lake Erie	A-1 Carbonate Guelph	74	3	1,718	14,834,900	C.W.P.
	Wolfe	Harwich	A-2 Carbonate	1	0	4,500	130,500	MacKay
	Zone	Zone	A-2 Carbonate A-1 Carbonate	29	11	1,532	1,853,200	Union

TABLE 22. CONTINUED.

COUNTY	FIELD	TOWNSHIP	FORMATIONS	WELLS ACT.	WELLS SUSP.	AVERAGE SHUT-IN W.H.P. (KPA)	PRODUCTION m^3	PRODUCER
LAMBTON	Becher W.	Sombra	A-1 Carbonate	28	13	766	1,657,400	Murphy
	Brigden	Moore	A-1 Carbonate	2	0	—	1,317,300	Consumers'
	Corunna	Moore	A-1 Carbonate Guelph	4	3	511	240,200	Z.O.L.
	Coveny	Sombra	Guelph	1	1	5,399	8,064,500	Union
	Cromar	Moore	Guelph	2	0	3,310	602,700	Lee Marine
	Dawn #1	Dawn	A-2 Carbonate A-1 Carbonate	1	6	598	628,100	Union
	Dawn (Misc)	Dawn	A-2 Carbonate A-1 Carbonate Guelph	16	4	2,992	8,070,700	various
	Dow Moore 3-21-XII	Moore	Guelph	3	3	3,312	1,040,670	Dow, Dome
	Enniskillen	Enniskillen	Guelph	0	4	3,075	100	Union
	Oil Springs E.	Enniskillen	Guelph	1	0	—	10,553,500	Camel
	Otter Creek	Sombra	A-1 Carbonate	4	2	1,389	346,300	Various
	Otter Creek E.	Sombra	Guelph	4	0	—	673,600	Brett, Cameron
NORFOLK	Clear Creek (Lake Erie)	Lake Erie	Thorold Grimsby	54	28	4,683	50,194,900	Consumers'
	Dover	Lake Erie	Thorold Grimsby	48	4	1,783	16,134,800	various
	Hemlock	Houghton	Grimsby	7	1	2,528	1,347,880	Hemlock, Shawnee
	Norfolk	All Twps.	Irondequoit Grimsby	187	33	1,689	25,083,200	various
	Wilsonville S.	Townsend	Thorold Grimsby	10	2	1,131	150,500	Portfield
OXFORD	Innerkip	Blandford	Cambrian	5	4	1,689	6,915,500	Ameracrude
	Norwich S.	S. Norwich	Irondequoit	0	1	1,103	26,700	Nith River Starlite
WELLAND	Leepfrog (Lake Erie)	Lake Erie	Thorold Grimsby Whirlpool	15	5	3,358	7,453,800	Consumers'
	Welland	All Twps.	Irondequoit Thorold Grimsby	108	13	—	1,914,200	Various
WELLINGTON	Arthur	Arthur	Gull River	3	1	1,470	1,135,400	Kenartha
TOTAL				1,141	272		419,271,420	

TABLE 23. GAS PRODUCTION IN ONTARIO BY FIELDS, 1977-1981.

COUNTY	FIELD	1977 m^3	1978 m^3	1979 m^3	1980 m^3	1981 m^3
BRANT-ELGIN	Brant	604540	548047	675700	444400	1549490
	Aldborough	—	—	—	22500	77600
	Cowal	416401	464484	331700	246100	316400
	Mosald	2455310	2587749	2265100	2310500	2311300
	Silver Cr. (Lake Erie)	50979208	65010339	64935300	64643400	55217000
	Willey	—	424755	—	—	—
HALDIMAND	Haldimand	2190914	2150308	1725000	1480300	1411200
	Lincoln	—	8354	8400	—	—
	Maitland (Lake Erie)	23320778	60971202	50323100	66962800	71029680
	Selkirk (Lake Erie)	6673440	15703391	15564200	14853900	17929300
HURON	Tipperary	—	—	—	583200	3368600
KENT	Botany	424330	539779	67250	95700	936900
	Camden Gore	1592491	1585950	1704600	1692100	1281500
	Chatham	1735606	1242578	1314500	1422400	1002500
	Dover	1895568	1656629	1450700	3535900	1364400
	D'Clute	204902	280112	253500	283500	202800
	D'Clute (Lake Erie)	3120080	2989058	2722800	2714800	2482400
	Morpeth	788345	745813	778300	881600	843300
	Morpeth (Lake Erie)	—	—	—	47304000	89008400
	Tilbury	7621945	6632011	7245300	7916800	8568100
	Tilbury (Lake Erie)	21305399	17481698	16754300	15634100	14834900
	Wolfe	187175	104037	109500	122400	130500
	Zone	1696217	2330659	1949800	1808500	1853200
LAMBTON	Becher West	2176275	2246133	2314700	1880800	1657400
	Brigden	1925641	1290434	1568800	1659800	1317300
	Corunna	51933	248538	210600	—	240200
	Coveny	—	6558359	—	184100	8064500
	Cromar	1059849	1350579	1390700	951900	602700
	Dawn #1	669754	717779	1060200	657600	628100
	Dawn (Misc.)	2376561	2095684	2135800	5978100	80709700
	Dow Moore 3-21-XII	—	36722845	81150400	79762800	1040670
	Enniskillen 26	219372	2860	1700	600	100
	Oil Springs E.	18558509	31733729	27262000	19148000	10553500
	Otter Creek	1750812	1236151	946300	785400	346300
	Otter Creek E.	360136	209914	145700	653700	673600

CONTINUED

TABLE 23. CONTINUED.

COUNTY	FIELD	1977 m^3	1978 m^3	1979 m^3	1980 m^3	1981 m^3
MIDDLESEX	North Willey	311487	42492	—	—	—
NORFOLK	Clear Creek (Lake Erie)	26123735	30627016	38493000	37333900	50194900
	Dover (Lake Erie)	26308446	19770477	25078800	17823500	16134800
	Hemlock	2535589	2175227	2027200	1546900	1347880
	Norfolk	19656019	21136261	21977300	26207400	25083200
	Vension Creek	—	—	739000	—	—
	Wilsonville S.	1184755	308973	450670	356900	150500
OXFORD	Brownsville	257259	36416	63300	122900	—
	Innerkip	4640618	6951512	6899300	6529500	6915500
	Norwich South	78268	80732	47700	70600	26700
WELLAND	Leepfrog (Lake Erie)	—	—	—	5107200	7453800
	Welland	2888987	2782229	2990502	1984600	1914200
WELLINGTON	Arthur	1083097	1121750	798100	1476800	11435400
TOTAL		241429751	352861451	382861451	445231900	419271420

TABLE 24. GAS PRODUCTION BY COUNTY, 1981.

COUNTY	PRODUCTION 10^3 m^3	% OF ONTARIO TOTAL
Brant	1,549.4	0.4
Elgin	57,922.3	13.8
Haldimand	90,370.2	21.6
Huron	3,368.6	0.8
Kent	122,508.9	29.2
Lambton	33,195.1	7.9
Norfolk	92,860.7	22.1
Oxford	6,992.8	1.7
Welland	9,368.0	2.2
Wellington	1,135.4	0.3
TOTAL	419,271.4	100.0

TABLE 25. PERCENT GAS PRODUCTION BY AGE, 1977-1981.

AGE/FORMATION	1977	1978	1979	1980	1981
Silurian					
Clinton-Cataract	34	63	58	53.6	51.4
Salina-Guelph	56	34	39	43.8	46.4
Ordovician	4	1	1	1.1	0.6
Cambrian	6	2	2	1.5	1.6
TOTAL	100.0	100.0	100.0	100.0	100.0

TABLE 26. GAS PRODUCTION UNITS — OFFSHORE LAKE ERIE AND LAKE ST. CLAIR.
NOTE: The following are not geological pools but production units in Lake Erie and Lake St. Clair. The values listed under "Depth" represent the minimum and maximum values of the producing interval taken from final results or from the initial gas record where no final results were recorded. "Discovery date" is the completion date of the first well discovered within the boundary of the production unit. Production units are in order of location from east to west.

PRODUCTION UNIT	DISCOVERY DATE	PRODUCING FORMATIONS	RESERVOIR & TRAPPING MECHANISM	DEPTH (METRES)	ACTIVE WELLS GAS	1981 PRODUCTION (Oil m^3 — Gas 10^3 m^3)	CUMULATIVE PRODUCTION 1981 (Oil m^3 — Gas 10^3 m^3)
LAKE ERIE							
Colbourne –Welland Co.	1975	Grimsby Whirlpool	Porosity & permeability pinch-out in sandstone	254-285	—		—
Leepfrog –Welland Co.	1965	Grimsby, Cabot Head, Whirlpool	Porosity & permeability pinch-out in sandstone	305-401	15	7,453.8[G]	—
Maitland –Haldimand Co. (also Norfolk & Welland)	1960	Irondequoit, Reynales, Thorold Grimsby, Cabot Head, Whirlpool	Porosity & permeability pinch-out in dolomite and sandstone	226-404	123	71,029.7[G]	—
Selkirk –Haldimand Co. (also Norfolk)	1958	Irondequoit Reynales, Thorold Grimsby, Whirlpool	Porosity & permeability pinch-out in dolomite and sandstone	245-356	82	17,929.3[G]	—
Dover –Norfolk Co.	1962	Irondequoit Reynales, Thorold, Grimsby, Cabot, Head, Whirlpool	Porosity & permeability pinch-out in dolomite and sandstone	302-438	48	16,134.8[G]	—
Clear Creek –Norfolk Co.	1969	Reynales, Thorold, Grimsby, Cabot, Head, Whirlpool (also Guelph)	Porosity & permeability pinch-out in dolomite sandstone (also reef?)	355-561	54	50,194.9[G]	—
Silver Creek –Elgin Co.	1967	Reynales, Thorold Grimsby (also A-1 Carbonate, Guelph, Bass Islands & Springvale	Dolomitized bioherm patch reef (?); porosity & permeability pinch-out in sandstone and dolomite	445-621 Guelph = 326-424 Bass Islands = 250-2731 Springvale = 217-222	48	55,217.0[G]	495,100.6[G]
D'Clute –Kent Co.	1958	A-1 Carbonate, A-1 Carbonate, Guelph (also Dundee)	Dolomitized bioherm patch reef	398-460 Dundee = 65	11	2,482.4[G]	228,368.5[G]
Erieau –Kent Co.	1970	Guelph	(?)	502-519	—	—	—
Morpeth –Kent Co.	1973	A-1 Carbonate Guelph, Grimsby	Dolomitized stromatolitic (?) mound; porosity & permeability pinch-out in sandstone	Grimsby = 635-646 Salina = 460-532	19	89,008.4[G]	136,312.4[G]
Tilbury –Kent Co.	1913	A-2 Carbonate, A-1 Carbonate Guelph	Dolomitized bioherm reef	326-423	74	14,834.9[G]	1,693,243.4[G]
Atlas –Essex Co.	1959	A-1 Carbonate, Guelph	Dolomitized bioherm patch reef (?)	286-306	—	—	73,426.2[G]
LAKE ST. CLAIR							
Atlas –Kent Co.	1955	A-2 Carbonate, Guelph	Dolomitized bioherm patch reef	415-443	—	—	821.5[G]
TOTAL					474	324,285.2[G]	

VII. Gas Storage

A total of 15 gas storage pools were in operation and three pools were inactive during 1981.

Total gas storage working capacity for 1981 was 5,351.6 10^6m^3.

Lambton County remained the centre for gas storage operations, containing all but one of the pools within its boundaries (Table 27).

TABLE 27. GAS STORAGE — SOUTHWESTERN ONTARIO.

RESERVOIR	ZONE	STATUS	OPERATOR	WORKING CAPACITY AT ORIGINAL RESERVOIR PRESSURE 10^6m^3	ORIGINAL RESERVOIR PRESSURE kPa	WORKING CAPACITY WHEN DELTA PRESSURED 10^6m^3	RESERVOIR PRESSURE WHEN DELTA PRESSURED kPa
Bentpath	G., A-1	Active	Union	111 0	5,978	158 1	8,508
Bickford	G., A-1	Active	Union	400 8	6,398	545 3	8,708
Corunna	G., A-1	Active	Tec.	99.1	6,502	150 7	9,887
Crowland	Whirlpool	Active	Cons.	11 3	3,447	14 2	4,330
Dawn 156	G., A-1	Active	Union	581 9	6,067	884 1	9,218
Dawn 167	G., A-1	Active	Union	141 6	6,247	201 1	8,867
Dawn 47-49	G., A-1	Active	Union	95 7	5,964	113 6	7,081
Dawn 59-85	G., A-1,A-2	Active	Union	113 6	5,964	138 5	7,267
Enniskillen 28	G.	Inactive	Union	75 4	5,281	116 4	7,819
Kimball-Colinville	G., A-1	Active	Tec.	841 3	6,336	1,211 0	9,122
Payne	G., A-1	Active	Union	354 9	6,047	528 8	9,011
Rosedale	G., A-1	Active	Union	69 7	6,474	96 6	8,970
Seckerton	G., A-1	Active	Tec	255 0	6,481	375 6	9,653
Sombra	G., A-1	Inactive	Union	51 0	6,474	74 8	9,473
Terminus	G., A-1	Active	Union	233 7	5,971	325 8	8,322
Waubuno	G., A-1	Active	Union	186 7	6,419	272 8	9,377
Wilkesport	G., A-1	Active	Tec.	165 4	6,378	N A.	N A.
Zone	A-1,A-2	Inactive	Union	101 9	4,971	146 1	7,129
TOTAL				3,890 0		5,353 5	

VIII. Salt Cavern Storage

TABLE 28. SUMMARY OF SALT CAVERN STORAGE.

COMPANY	CAVERN NO.	CAPACITY m^3
Dome Petroleum Ltd. (Sarnia)	RP1	19200
	RP2	20300
	RP3	29700
	RP4	55600
	RP5	32800
	RP6	54000
	RP7	55700
	P1	42100
	P2	47700
	P3	52500
	P4	51700
	P5	49300
	P6	49900
	P7	48500
	P8	35800
	B1	68400
	B2	18300
	B3	31200
	B4	15900
Dome Petroleum Ltd. (Windsor)	32B	169200
	33B	181300
	35B	98600
	A59	presently
	B59	being
	E59	developed
Dow Chemical of Canada Limited	6	15900
	7	20700
	8	26600
	11	19100
	12	19900
	HC1	31800
	HC2	15900
	HC3	31800
	HC4	31800
	HC5	19900
	HC6	19900
	HC7	11900
	HC8	inactive
Imperial Oil Limited	981	23800
	982	38200
	983	31200
	985	22300
	4040	18800
	4041	23800
	4042	35000
	4043	39700
	4044	31800
Polysar Limited	1	12600
	2	17000
	4	16700
	5	10600
	7	12600
Shell Canada Limited	W1	30200
	W2	15300
	W3	14300
	W4	6400
Sun Oil Limited	3	19900
	4	15900
	5	25400
	7	11100
	8	14300
	9	25400
	10	15900
	13	12700
	14	14300
Petrosar Limited	1	51200
	2	49000
	3	12700
	4	35500
	5	17700
TOTAL	66 (active)	2,214,200m^3

Appendix I. List of Publications and Maps

Reports[1]

Annual Reports for 1920-1953[2].

Annual Reports for 1954-1959 (Ontario Fuel Board)[2]. (1954 in print). Price 1.00 each.

Annual Reports for 1960-1970[2]. (1960, 1966, 1969, 1970 in print). Price 1.00 each.

Annual Reports 1971-1974. Price 5.00 each.

Annual Reports 1975-1977. Price 7.50 each.

Oil and Gas Paper 1 (1978). Price 10.00 each.

Oil and Gas Paper 2 (1979). Price 20.00 each.

Oil and Gas Paper 3 (1980). Price 20.00 each.

Paper 67-2. A Guide to the Subsurface Palaeozoic Stratigraphy of Southern Ontario, by R.J. Beards.[2]

Paper 68-2. Subsurface Disposal of Liquid Wastes in Ontario, by D.D. McLean.[2]

Paper 70-2. Gas Analyses Ontario Gas Wells. Price 1.00.

Paper 70-4. Supplement to Catalogue of Ontario Well Samples at the Geological Survey of Canada. Price 1.00.

Paper 71-2. Structural Geology of Southwestern Ontario and Southeastern Michigan, by Robert J. Brigham.[2]

Paper 73-2. The Oil and Gas Potential of the "Clinton-Cataract" Reservoirs of Norfolk County, by T.A. MacDougall.[2]

Report of the Committee on Oil and Gas Resources Part 1 (Offshore Activity - 1961) Part II (Underground Storage of Natural Gas - 1962).[2]

Index of Ordovician and Cambrian Wells Drilled in Southwestern Ontario Prior to 1963, by D.A. Sharp.[2]

Paper 11-1a. Background Paper on Ontario Petroleum Resources.[2]

Offshore Exploration in Great Lakes Region, by Bryson C. Donnan, 1961.[2]

Minutes and Seconds Expressed as Decimal Parts of a Degree, MP/3. No charge.

Petroleum Possibilities of the James Bay Lowland Area Vol. 61 Part 6 (maps included) 1952. Price 1.50.

Geological Circular 7. Offshore Exploration for Gas Under the Canadian Waters of the Great Lakes, by A.C. Newton and W.E. Koepke, 1964. Price 0.50.

MISCELLANEOUS REPORTS (available as photo copies).[2]
A Look at Lake Erie Exploration.

[1]Reports are available through the *Public Service Centre, Whitney Block, Queens Park, Toronto.* Orders should be accompanied by cheque or money order, payable to the *Treasurer of Ontario.*

[2]Out of print originals are on file with *Mines Library, MNR, 77 Grenville St., Room 812, Toronto, Ontario, N5S 1B3* (416-965-1352).

[3]Maps, microfilm, and prints of well history cards and related technical information may be obtained by writing to *Ministry of Natural Resources Section, 1106 Dearness Drive, London, Ontario N6E 1N9* (519-681-5350). Well history cards may also be obtained at the *Petroleum Resources Laboratory.*

Note: orders originating in Ontario are subject to 7 percent provincial sales tax.

Maps[3]

1. WELL LOCATION AND STATUS (CURRENT) MAPS, NTS series, Scale: 1:30 000. (see Figure 8 for Key Map). Price $1.50 each.

A2,3,(3A Pelee Is.)
B1 to 5 (incl.)
C1 to 7 (incl.)
D3 to 13 (incl.)
E4 to 18 (incl.)
F4 to 17 (incl.)
G6 to 10 (incl.)
H7 to 9 (incl.)
I7 to 9 (incl.)
J7 to 8 (incl.)
K7 to 8 (incl.)

2. OIL AND GAS POOL AND PIPELINES MAP, SOUTHWESTERN ONTARIO, scale 1:250 000. Price $1.50 each.

3. FIELD AND POOL MAPS, scale 1:20 000. Price $1.00 each.

Acton
Aldborough
Arthur
Bayfield
Bayham
W. Becher
Bentpath
Bickford
Bothwell-Thamesville
Brigden
Brooke
Camden Gore
Clearville
Colchester South
Courtright
Coveny
Cromar-Moore
Crowland
Dashwood
Dawn 4-28-III
Dawn 4-33-IX
Dawn 5-30-IV
Dawn 7-28-VI
Dawn 23-II
Dawn No. 47-49
Dawn No. 59-85
Dawn No. 156
Dawn No. 167
Dover
Dow Moore 3-21-XII
Dresden
Duffton
Dungannon
Egremont
Enniskillen 2-15-VI
Enniskillen 2-30-IX
Enniskillen No. 26
Enniskillen No. 28
Florence
General Dawn 5-27-III
Glencoe
Gobles
Gosfield South
Grand Bend
Hemlock
Hornby
Innerkip, Innerkip East
Kimball-Colinville, Payne
Seckerton, Corunna
Ladysmith
Malden
Norfolk
North Willey
Oil City
Oil Springs
Oil Springs East
Osborne
Oxley
Petrolia East
Plympton 5-19-VI
Rodney
Rosedale
Ruscom River
St. Patrick's
Shetland NYK
Sombra
Terminus, Terminus North
Otter Creek, Otter Creek E
Tilbury
Tipperary
Townsend
Venison Creek
Verschoyle West
Warwick
Waubuno
Wilkesport
Willey
Wilson Croft
Wilsonville
Wilsonville South
Zone

4. LAKE ERIE MAPS, scale 1:50 000. (See Figure 9 for key map) Price $3.00 each.

Map A 79°30' - 78°55'
Map B 80°00' - 79°30'
Map C 80°30' - 80°00'
Map D 81°00' - 80°30'
Map E 81°30' - 81°00'
Map F 82°00' - 81°30'
Map G 83°10' - 82°30'

5. GEOLOGICAL MAPS.

S.W. REGIONAL STRUCTURE CONTOUR MAPS, scale: 1:250 000.
Price $5.00 each.

76-100 Precambrian	76-104 Rochester
76-101 Cambrian	76-105 Salina
76-102 Trenton	76-106 Bass Islands
76-103 Queenston	76-107 Dundee
	76-109 A-2

LAKE ERIE GEOLOGICAL MAPS, scale 1:50 000.
Price $4.00 each (see Figures 10 & 11 for key Maps)

1. Queenston Structure 8 maps
2. Thorold-Grimsby Structure 6 maps
3. Irondequoit-Reynales Structure 8 maps
4. Guelph Structure 8 maps
5. A-2 Structure 8 maps
6. B-Marker Structure 8 maps
7. Bass Islands Structure 8 maps
8. Dundee Structure 5 maps

1. Drift Isopach 8 maps
2. Devonian-Carbonate Isopach 8 maps
3. Bass Islands Isopach 8 maps
4. Guelph-Rochester Isopach 8 maps
5. Whirlpool Isopach 5 maps

Photo Copies[3]

Photo copies are available of all production reports, engineering reports, core analyses and well history cards. Price 0.25 per copy.

Microfilm and Microfiche[3]

WELL HISTORY CARDS, complete to December 31st, 1973, containing approximately 15,000 wells. Price $100.00 per set.

INDEX OF REPORTS AND DATA ON MICROFICHE

A Field Report, General Geological Reconaissance of Hudson Bay - Summer 1908.
B Detailed Geomorphic Evaluation James Bay.
C Detailed Geomorphic Evaluation, James Bay Lowlands, Aquitaine (compiled by Geophoto).
D Studies of Samples collected around the Hudson Bay Lowlands & Northern Islands - Canada - Summer 1968. Comparisons with Kaskattama No. 1 well - 1969.
E Aeromagnetic Interpretation for part of Moosonee River Basin, District of Cochrane, Aquitaine - 1969.
F Aerial Magnetic Interpretation Moose River Area, Mid-Eastern Oil and Gas Ltd., Anthony Oil & Gas Explorations Ltd., Dolphin Explorations, Ltd.
G Gravity Survey, Moose River Area, Mid-Eastern Oil & Gas Ltd. Anthony Oil & Gas Ltd., Dolphin Explorations Ltd.
H Gravity Survey, Fort Severn Area, Mid-Eastern Oil & Gas Ltd., Anthony Oil & Gas Explorations Ltd., Dolphin Explorations Ltd.
I Aerial Magnetic Interpretation, Fort Severn Area, Mid-Eastern Oil & Gas Ltd., Anthony Gas & Oil Explorations Ltd., Dolphin Explorations Ltd.
J Aerial Magnetic Interpretation, Moose River Area, Transalta Oil & Gas Ltd.
K Gravity Survey, Moose River Area, Transalta Oil & Gas Ltd.
L Transalta - Geological Report, Lic. No. 14502 and 14503 - James Bay.
M Aquitaine - Laboratory Report Pen No. 1 well.
N Bluewater - Geomorphic Evaluation, Moose River Basin.
O Bluewater - G.S.C. Magnetic Data, James Bay.
P Bluewater - Geology, James Bay.
Q Mariner - Geology and Petroleum Possibilities, Moose River Basin.
R Aquitaine - Palynoplanktogical Study, Sandbank Lake No. 1 Well.
S Consumers' - Aeromagnetic Interpretation, James Bay.
T Consumers' - Interpretation of G.S.C. Aeromagnetic Survey - Soweska River, James Bay.
U Aquitaine - 1. High Sensitivity Aeromagnetic Survey, James Bay. 2. Refraction and Gravity, James Bay.
V Aquitaine - Refraction and Gravity Survey, Hambly Lake Well No. 1.
W Consumers' - Aeromagnetic Survey, Martison Lake.
(Not microfilmed) Report on Airborne Magnetometre surveys for Aquitaine-James Bay Lowlands.

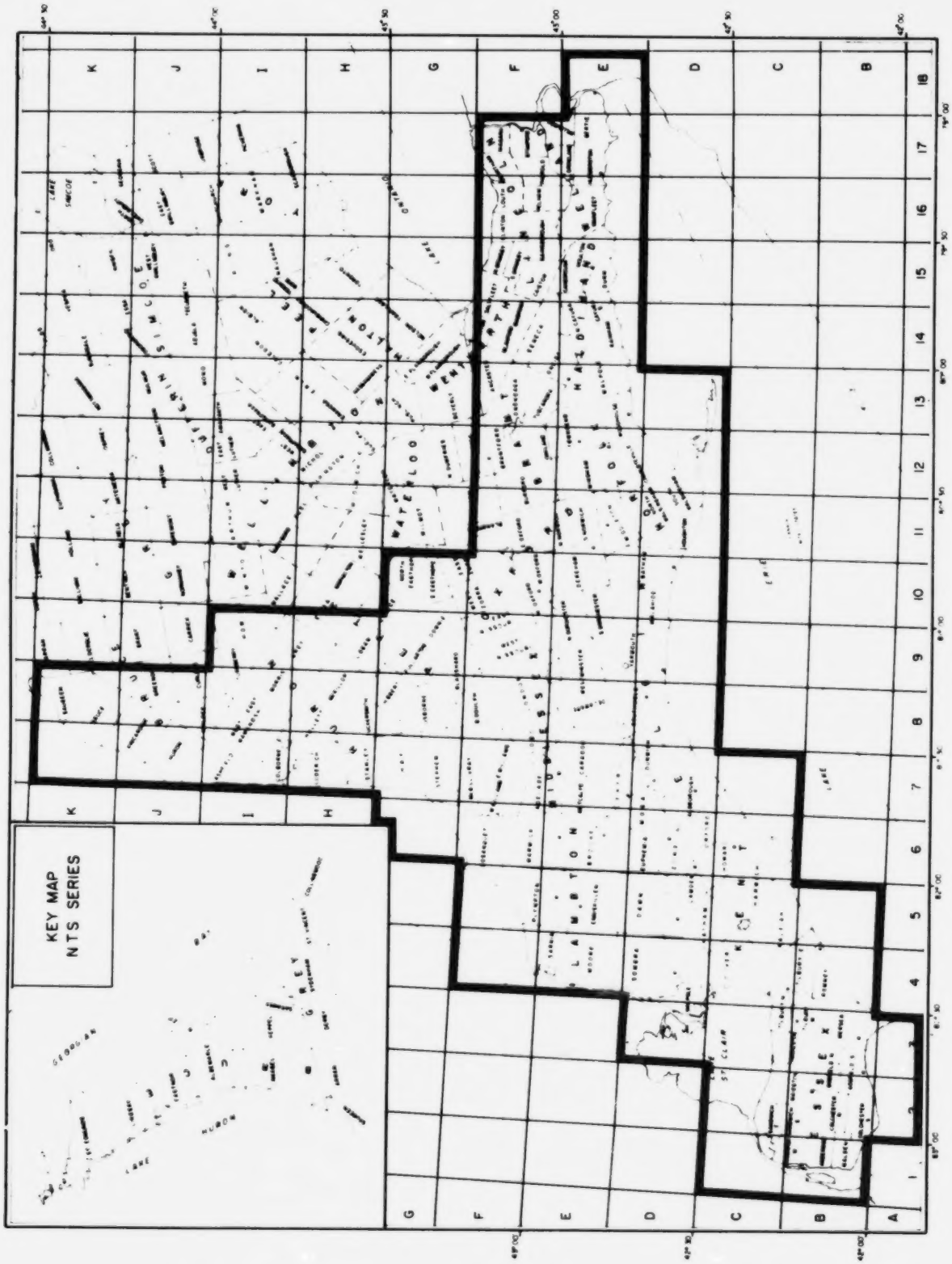


FIGURE 8. KEY MAP FOR NTS SERIES. (ONSHORE-SOUTH WESTERN ONTARIO).

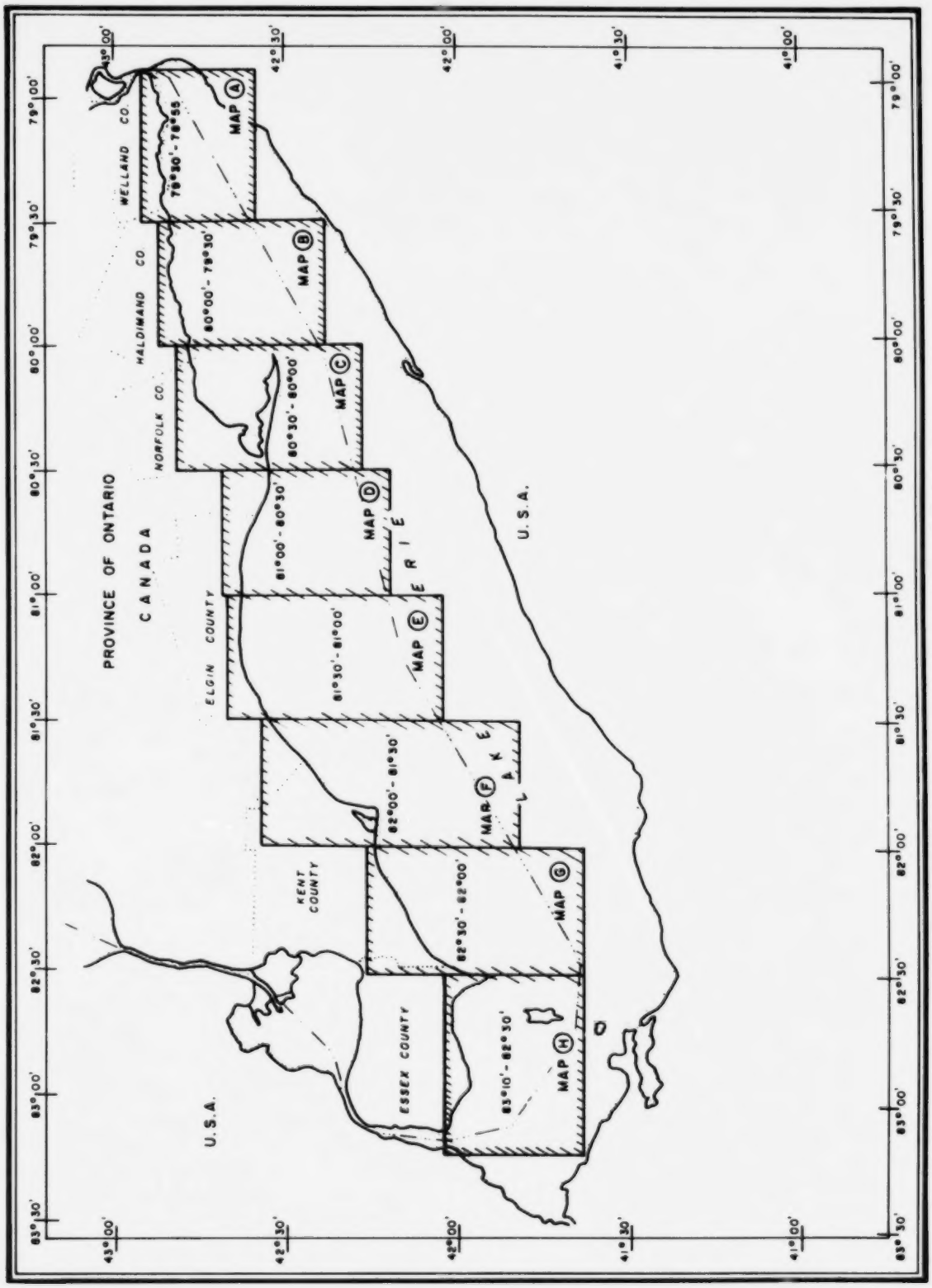


FIGURE 9. KEY MAP FOR LAKE ERIE BASE MAPS (1:50,000).

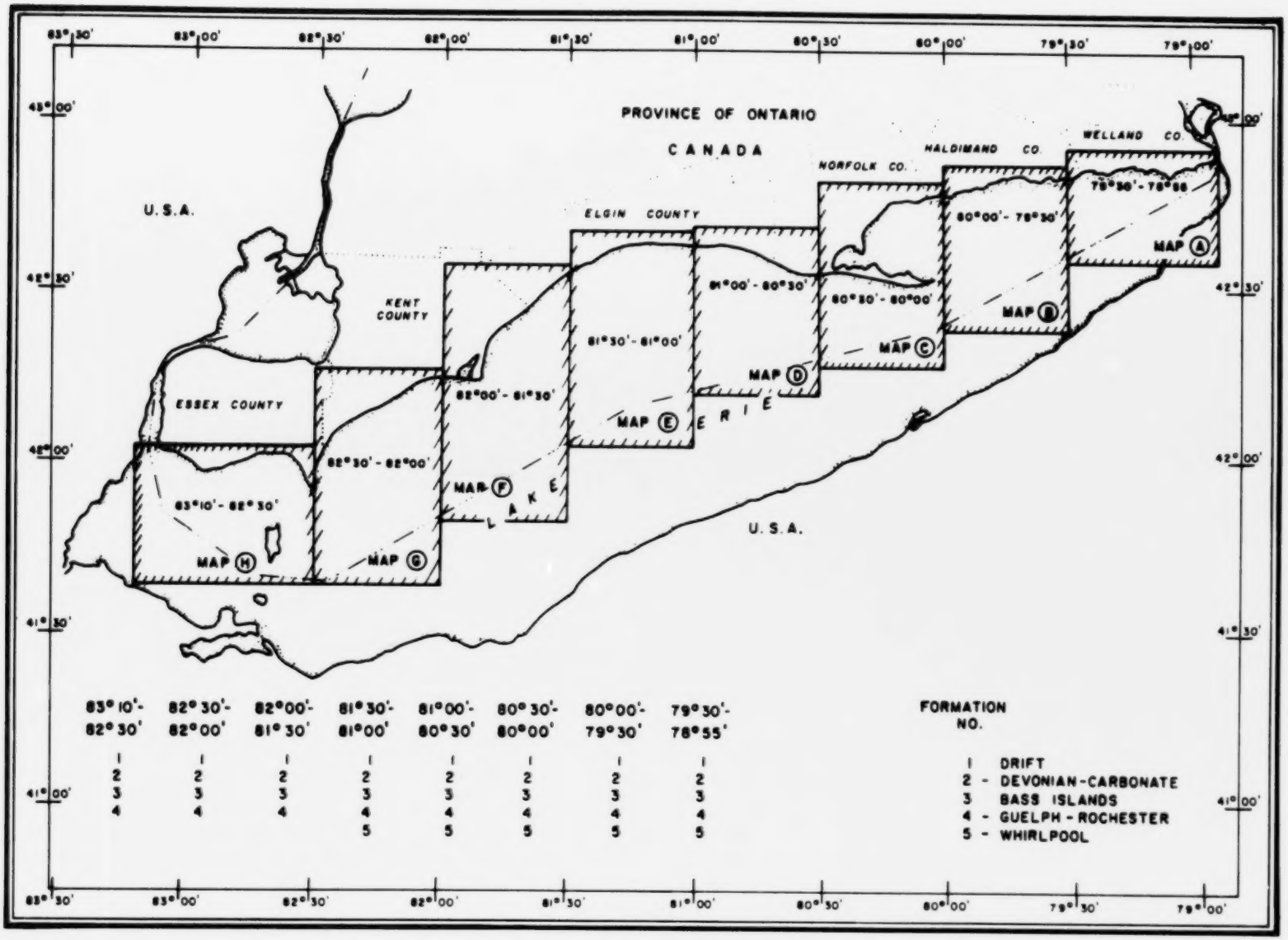


FIGURE 10. KEY MAP FOR LAKE ERIE ISOPACH MAPS (1:50,000).

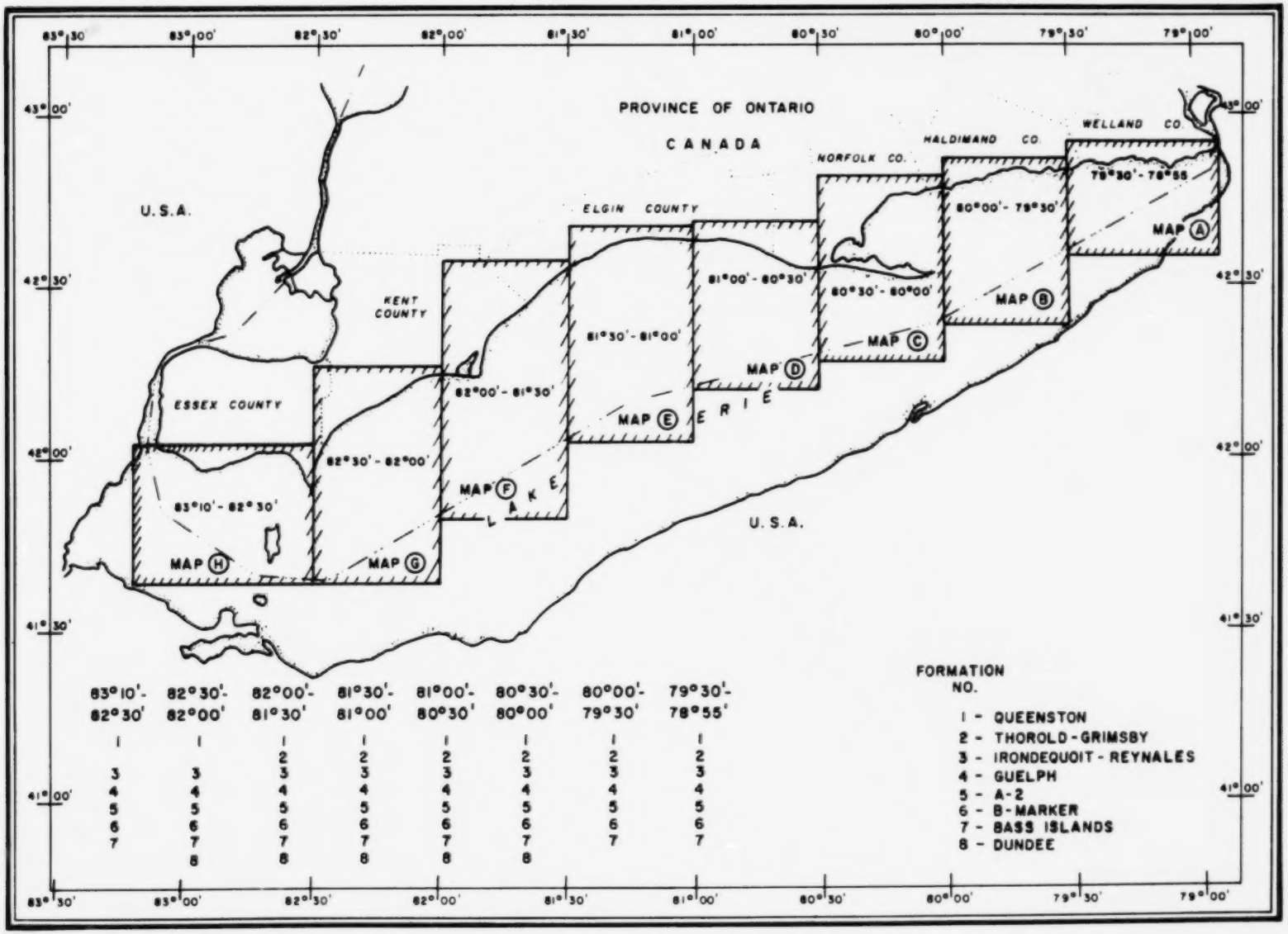


FIGURE 11. KEY MAP FOR LAKE ERIE STRUCTURAL MAPS.

Appendix II. Composite Stratigraphic Column

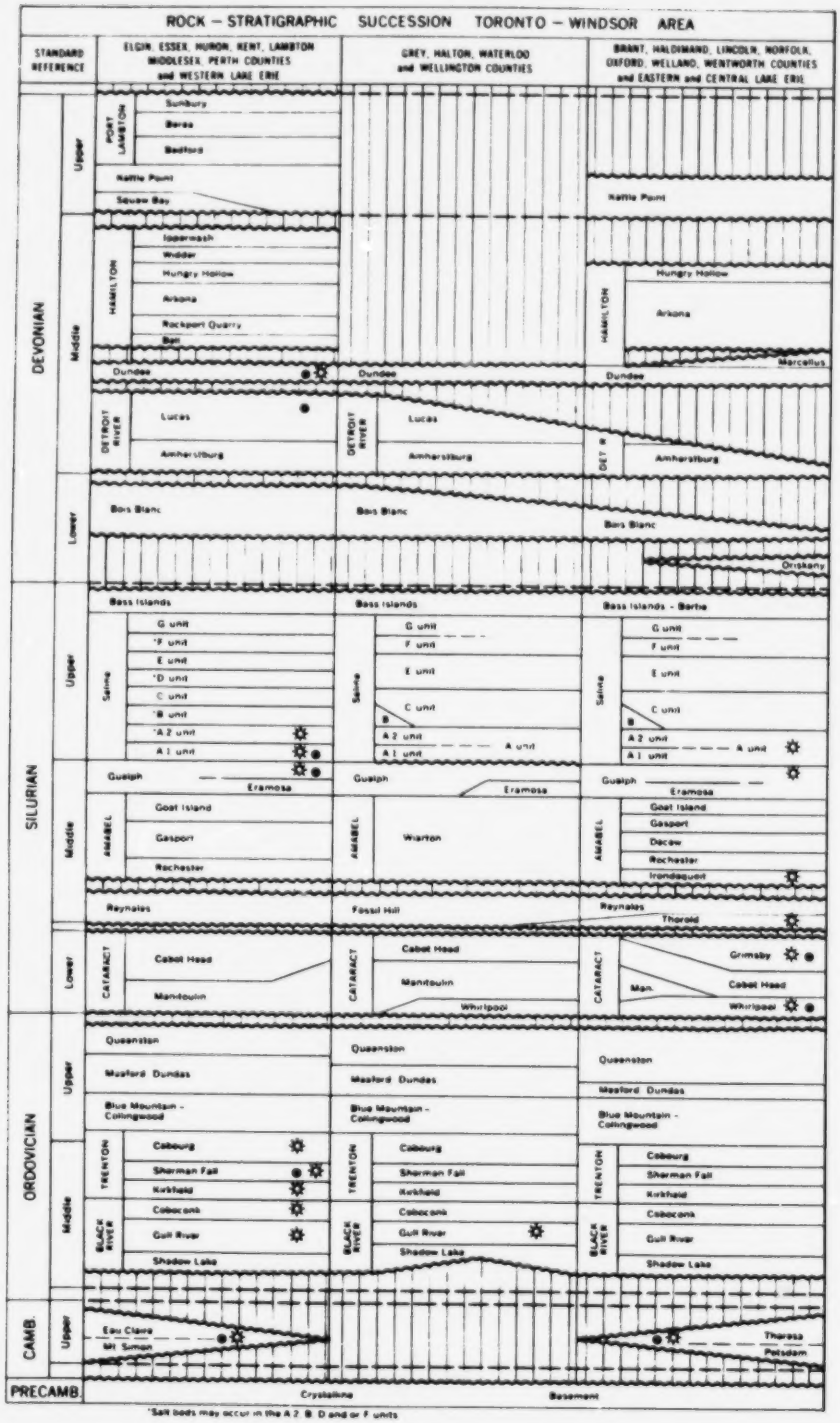


FIGURE 12. COMPOSITE STRATIGRAPHIC COLUMN. The column shows the various geologic units in accordance with the standards established by the Ontario Stratigraphic Committee. This terminology is somewhat modified from that used in previous years and appears on G.S.C. Map 1263A.

Appendix III. Explanation of Data Items and Abbreviations

WELL NAME: The official name of the well as issued on the Permit to Bore, Drill or Deepen a Well (Form 106).

PERMIT NO.: This number is assigned to the well location upon approval of the Application for a Permit to Bore, Drill or Deepen a Well. Where the original location is abandoned as a result of drilling or completion difficulties, and the rig is moved or "skidded" to a new location within the same drilling tract, the original Permit No. using the alphabetical suffix "A" will apply to the second well.

CLASSIFICATION: Each well is classified at the time the Application for a Permit to Bore, Drill or Deepen a Well is approved. This classification is based on the Lahee System introduced in 1939 by the American Association of Petroleum Geologists for world-wide usage. The definitions are based upon the degree of risks assumed by the operator who drills the tests.

WELL CATEGORIES OF THE LAHEE SYSTEM.

1. Exploratory Category

EXPLO-EXTEN. An *Outpost of Extension Test* is located and drilled with the expectation of extending for a considerable distance the productive area of a partly developed pool. It is usually two or more locations distant from the nearest productive area. If it is successful in its original object, it will add materially to the productive area of the pool.

EXPLO-SHALL. A *Shallower-Pool Test* is exploratory only if drilled in search of some new productive reservoir, unknown but possibly suspected from data secured from other wells. The test must be located within the productive area of a pool or pools previously suspected to contain hydrocarbons.

EXPLO-DEEPE. A *Deeper-Pool Test* is an exploratory hole located within the productive area of pool or pools already partly or wholly developed. It is drilled below the deepest such pool penetrated by it to explore to deeper unknown prospects. Such a hole may extend to a deeper pool which had been partially developed in another part of the field.

EXPLO-NPW. A *New-Pool Wildcat* is a well: (1) located at a relatively considerable distance outside the limits of producing or producible pools as these limits are known at the time of drilling, and (2) drilled on a structure or in a geologic environment where other pools have been found but where the complexities in the underground geological conditions are so great that searching for a new pool is hazardous. The objective of a New-Pool Wildcat is the discovery of a new pool in a field already discovered.

EXPLO-NFW. A *New-Field Wildcat* is a well: (1) located at a relatively considerable distance outside the limits of producing or producible pools as these limits are known at the time of drilling, and (2) drilled on a geologic structure or a geologic environment where hydrocarbons have as yet not been discovered. The objective of a New-Field Wildcat is the discovery of a new field.

2. Development Category

DEVEL. A *Development Well* is a well drilled with the object of further exploiting a hydrocarbon accumulation of a pool within the area which has already been essentially proved for production in this pool. Such a well may be inside the pool as already outlined by producing or producible wells, or it may be a relatively short distance outside these limits.

3. Other

A well that is not classified as exploratory or development but drilled for purposes as defined by Section 15, Ontario Regulation 752.

SUMMARY OF ABBREVIATIONS

ABBREVIATION CODE	CATEGORY
EXPLO	Exploratory
NFW	New Field Wildcat
NPW	New Pool Wildcat
DEEPE	Deeper Pool Test
SHALL	Shallow Pool Test
EXTEN	Extension
DEVEL	Development
OTHER	Other
INJEC	Injection
STRAT	Stratigraphic Test
STORA	Storage
BRINE	Brine
DISPO	Disposal
SOURC	Source
OBSER	Observation
UNCLA	Unclassified
LOST	Lost Hole

GEOGRAPHIC DESCRIPTION: Wells are listed alphabetically by County and Township and numerically by Lot and Concession. Since the well summary cards are generated directly from computer storage, codes are necessary for alphabetic lots and lengthy concession names.

CODE NAMES FOR LOTS:

498	Pt. Albino
499	Naval Reserve
500	Indian Reserve
501	A
502	B
503	C
504	D
505	E
506	F
507	G
508	J
509	Y
510	Z
511	Gore

ABBREVIATIONS FOR CONCESSIONS

AUS	Ausable
BF	Broken Front
FLH	Front Lake Huron
LRE	Lake Road East
LRW	Lake Road West
NB	North Boundary
NLR	North Lake Road
NTR	North Talbot Road
NUR	North Union Road
R	Range
SB	South Boundary
SLR	South Lake Road
STR	South Talbot Road
SUR	South Union Road

CO-ORDINATES: Surveyed co-ordinates for all land wells are given in feet from lot lines, unless otherwise stated. Surveyed co-ordinates for Lake wells are recorded by latitude and longitude, in degrees, minutes and seconds. Latitude and longitude values for all land wells have also been determined and appear in this report.

ELEVATION: Ground elevation in feet above sea level plus number of feet to rig floor or kelly bushing.

SPUDDED: Date of spudding; the date that the actual drilling commenced.

COMPLETED: Date of completion; the date that drilling was completed and total depth was reached.

NATURAL FLOW: Initial oil and gas production rates prior to well treatment or stimulation.

RIG TYPES: Abbreviations for rig types are as follows:

CAB	Cable Tool Rig
ROT	Rotary Rig
OCP	Offshore Cable Platform
ORJ	Offshore Rotary Jackup
ORF	Offshore Rotary Floater
ORS	Offshore Rotary Semi Submersible
UNK	Unknown

FINAL RESULTS: Oil and gas production rates after treatment or stimulation where applicable.

FINAL STATUS: The status of the well after completion.

SAMPLES: Drill cutting samples are retained for all wells and are available for examination at:

Sample Repository,
Petroleum Resources Section,
Ontario Ministry of Natural Resources,
458 Central Avenue,
London, Ontario, Canada
N6B 2E5

CORES: The intervals cored are given and unless otherwise stated, the cores are stored at the Repository.

ABBREVIATION CODE	CORE TYPE
CC2	Conventional (greater than 2)
SC2	Slimhole (less than 2)
CCF	Full Width Slab
CC1	One Inch Wedge
SCS	Slimhole Slabbed
CCO	Core Chips Only
RSO	Representative Sections Only

TREATMENT: If a well has been stimulated to increase production a treatment code is included to indicate the type of stimulation program. A summary of the abbrevation codes used to describe the treatment type is listed below:

ABBREVIATION CODE	TREATMENT
ACID	Acidized
CONF	Fracture - conventional
LARF	Fracture - large volume
FOAM	Fracture - foam
SHOT	Explosives - shot
DYNM	Explosives - dynamite
NTGY	Explosives - nitroglycerine

LOGGING RECORD: The type of logs taken at the well and the logging company are recorded using the following abbreviation codes:

ABBREVIATION CODE	LOG TYPE
ACSL	Acoustic
CALP	Caliper
CBND	Cement Bond
CLOL	Chlor Je
CMPL	Completion
CONL	Contact
CDM	Continuous dip metre
DENL	Density, Compensated
DIPM	Dipmetre
DIRS	Directional Survey
ES	Electric-Survey
EPTL	Experimental
FOCL	Focus
FRXL	Forxo
GGDL	Gamma-Gamma Density
GRL	Gamma Ray
GRNL	Gamma Ray - Neutron
GRSL	Gamma Ray - Sonic
GRDL	Guard
HCDL	Hydrocarbon
ISOL	Completion Record
IES	Induction Electric Survey
LATL	Dual Induction Laterolog
LSL	Limestone
MICL	Microlog
MLAT	Microlaterolog
MSGM	Microseismogram
MICS	Microsurvey
MINL	Minilog
MINF	Minifocus
NEUT	Neutron
MAGL	Nuclear Magnetism
PRMS	Permeability, Spinner
PRXL	Proximity
SONL	Sonic Borehole, Compensated
SRSL	Seismic Reference
SYRG	Synergic Log System
TMPL	Temperature
RTRS	Radioactive Tracer
TDL	Temperature Differential
VELS	Velocity, Accoustic
WLS	Water Location Survey

DEEPENING: For those wells deepened in 1981 the complete well record is included.

GEOLOGY: The geological markers are supplied by Ministry Geologists. For each well the method used to determine these markers (samples, R/A log, etc.) is recorded. Unpublished operator geological markers are available from the Ministry on request.

The nomenclature used in this report is based on published descriptions of the various geological units and in accordance with the standards established by the Ontario Stratigraphic Committee.

REFERENCES:

R. J. Beards
Guide to the Subsurface Palaeozoic Stratigraphy of Southern Ontario. O.D.E.R.M. Paper 67-2.

B.V. Sanford
Sources and Occurrence of Oil and Gas in the Sedimentary Basin of Ontario. Map 1263A.

C.G. Winder
Lexicon of Palaeozoic Names in Southwestern Ontario.

Appendix IV. Summary of Wells Drilled in 1981

Alphabetical Index of Wells

WELL NAME	
ALLIED CHEM F-6 ANDERDON 34-I	69
ALLIED CHEM G-4 ANDERDON 35-I	69
A-P CAMDEN 4-13-501	113
A-P EUPHEMIA 4-28-IV	131
A-P EUPHEMIA 6-27-IV	131
A-P EUPHEMIA 8-16-VI	130
A-P ZONE 2-15-VI	120
A-P ZONE 3-21-RR	120
BEAR CREEK #15 ENNISKILLEN 1-11-XII	128
BLUEW TRUE MILT PLYMPTON 4-19-VI	139
BLUEWATER TRUE MOORE 3-22-III	132
BLUEWATER TRUE PLYMPTON 5-7-V	137
BLUEWATER TRUE SARNIA 2-11-VIII	141
BLUEWATER-TRUE PLYMPTON 3-8-V	138
BURNT ISLAND #1 ROBINSON 1-35-IV	146
BURNT ISLAND #2 ROBINSON 1-35-V	146
BURNT ISLAND #3 ROBINSON 2-32-V	145
BURNT ISLAND #4 ROBINSON 4-30-V	147
BURNT ISLAND #5 ROBINSON 2-30-VI	145
CAMEL TALCORP ENNISKILLEN 3-4-V	125
CAMEL TALCORP ENNISKILLEN 5-24-VI	129
CENTRE HOLE GODERICH	112
CHATHAM #1 CHARLOTTEVILLE 7-4-X	148
CHATHAM #2 WOODHOUSE 1-9-II	171
CHATHAM #3 WOODHOUSE 7-13-III	172
CHATHAM #4 CHARLOTTEVILLE 5-4-X	148
CHATHAM #5 SOUTH WALSINGHAM 6-13-501	170
CHATHAM #6 SOUTH WALSINGHAM 4-12-I	169
CHATHAM #7 SOUTH WALSINGHAM 8-12-I	170
CHATHAM #9 CHARLOTTEVILLE 5-9-X	150
COLONIAL MALDEN 4-41-V	70
CONSUMER 13745 LAKE ERIE 94-P	156
CONSUMER 13768 LAKE ERIE 123-C	158
CONSUMER 33206A YARMOUTH 16-II	67
CONSUMER 33209 YARMOUTH 3-22-II	68
CONSUMER 33209A YARMOUTH 3-22-II	68
CONSUMER 33210 ALDBOROUGH 2-7-GORE	56
CONSUMER 33254 DUNWICH 4-16-XI	58
CONSUMER 33265 EUPHEMIA 2-23-XI	130
CONSUMERS 13743 LAKE ERIE 95-V	157
CONSUMERS 13744 LAKE ERIE 95-M	156
CONSUMERS 13746 LAKE ERIE 95-U	157
CONSUMERS 13747 LAKE ERIE 186-J	65
CONSUMERS 13748 LAKE ERIE 186-I	65
CONSUMERS 13749 LAKE ERIE 186-H	64
CONSUMERS 13750 LAKE ERIE 185-M	64
CONSUMERS 13751 LAKE ERIE 184-T	62
CONSUMERS 13752 LAKE ERIE 184-H	62
CONSUMERS 13753 LAKE ERIE 183-I	61
CONSUMERS 13755 LAKE ERIE 220-W	114
CONSUMERS 13758 LAKE ERIE 181-O	61
CONSUMERS 13762 LAKE ERIE 155-R	164
CONSUMERS 13763 LAKE ERIE 154-J	162
CONSUMERS 13765 LAKE ERIE 123-M	159
CONSUMERS 13766 LAKE ERIE 185-B	63
CONSUMERS 13767 LAKE ERIE 123-G	158
CONSUMERS 13769 LAKE ERIE 154-U	163
CONSUMERS 13770 LAKE ERIE 158-J	60
CONSUMERS 13773 LAKE ERIE 187-O	66
CONSUMERS 13774 LAKE ERIE 187-G	66
CONSUMERS 13776 LAKE ERIE 188-E	164
CONSUMERS 13778 LAKE ERIE 185-A	63
CONSUMERS 13779 LAKE ERIE 155-H	163
CONSUMERS 13781 LAKE ERIE 55-T	59
CONSUMERS 13783 LAKE ERIE 120-H	60
CONSUMERS 13784 LAKE ERIE 153-E	162
CONSUMERS 13786 LAKE ERIE 189-D	165
CONSUMERS 13792 LAKE ERIE 55-L	59
CONSUMERS 31896 LAKE ERIE 37-K	78
CONSUMERS 31897 LAKE ERIE 37-J	78
CONSUMERS 31898 LAKE ERIE 36-P	77
CONSUMERS 33206 YARMOUTH 6-16-II	67
CONSUMERS 33253 DUNWICH 1-19-X	58
CONSUMERS 33255 ALDBOROUGH 1-7-IV	56
CONSUMERS 33274 DUNWICH 6-6-ABF	57
CONSUMERS 33323 TILBURY EAST 7-2-VIII	119
CONSUMERS 33406 RALEIGH 3-1-VI	119
C S ET AL DEREHAM 1-27-VII	172
C W P ET AL LAKE ERIE 46-B	152
DOME STOR P-6 SANDWICH WEST 59-I	70
DOME STOR P-8 SANDWICH W 59-I	71
DOMINION DDH#2 GODERICH	113
DOW #2 SARNIA 2-8-A	140
DOW #65 MOORE 24-XI	135
DOW #66 MOORE 24-XI	134
DOW #67 MOORE 24-XI	134
DOW #68 MOORE 24-XI	133
DOW CHEMICAL 71 MOORE 23-XI	132
DOW CHEMICAL 72 MOORE 23-XI	133
DOW DAWN 6-27-XIV	124
DOW HARWICH 5-20-III	114
DOW SARNIA 1-9-501	141
DOW ET AL MOORE 63-RF	136
DOW ET AL MOORE 1-27-XI	135
DOW ET AL PLYMPTON 5-6-II	137
DOW ET AL PLYMPTON 6-20-V	140
DOW ET AL PLYMPTON 7-13-II	138
EXPLORER #1 SOUTH WALSINGHAM 3-3-II	167
EXPLORER #2 SOUTH WALSINGHAM 8-4-II	168
EXPLORER #5 SOUTH WALSINGHAM 1-4-II	168
EXPLORER #6 SOUTH WALSINGHAM 5-3-501	167
EXPLORER #7 SOUTH WALSINGHAM 3-6-I	169
EXPLORER #8 SOUTH WALSINGHAM 6-3-I	166
EXPLORER SOUTH WALSINGHAM 2-3-I	166
EXPLORER SOUTH WALSINGHAM 8-2-II	165
E LEROY #7 WAINFLEET 1-25-VII	173
FORBES #19 DAWN 8-27-II	123
FRANCISCO BLUEW PLYMPTON 5-1-III	136
FREEZE HOLE #1 GODERICH	96
FREEZE HOLE #2 GODERICH	97
FREEZE HOLE #3 GODERICH	97
FREEZE HOLE #4 GODERICH	98
FREEZE HOLE #5 GODERICH	98
FREEZE HOLE #6 GODERICH	99
FREEZE HOLE #7 GODERICH	99
FREEZE HOLE #8 GODERICH	100
FREEZE HOLE #9 GODERICH	100
FREEZE HOLE #10 GODERICH	101
FREEZE HOLE #11 GODERICH	101
FREEZE HOLE #12 GODERICH	102
FREEZE HOLE #13 GODERICH	102
FREEZE HOLE #14 GODERICH	103
FREEZE HOLE #15 GODERICH	103
FREEZE HOLE #16 GODERICH	104
FREEZE HOLE #17 GODERICH	104
FREEZE HOLE #18 GODERICH	105
FREEZE HOLE #19 GODERICH	105
FREEZE HOLE #20 GODERICH	106
FREEZE HOLE #21 GODERICH	106
FREEZE HOLE #22 GODERICH	107
FREEZE HOLE #23 GODERICH	107

WELL NAME	
FREEZE HOLE #25 GODERICH	108
FREEZE HOLE #26 GODERICH	108
FREEZE HOLE #27 GODERICH	109
FREEZE HOLE #28 GODERICH	109
FREEZE HOLE #29 GODERICH	110
FREEZE HOLE #30 GODERICH	110
G. TONTSCH WINDHAM 4-XIII	171
HARRY FARR #2 MOULTON 2-14-SFR	95
HEMLOCK #7 HOUGHTON 4-2-WNR	151
HIGGS DISPOSAL DAWN 7-28-IX	124
HOLE #T4 GODERICH	112
H. NUSSEY #2 TILBURY WEST 2-6-II	71
JOHN SUNNY #2 CANBOROUGH 15-1-III	72
L.A.I. JACQUES 3 ENNISKILLEN 1-17-X	128
LMG DAWN 5-27-III	123
L.J.T. PLYMPTON 7-19-VII	139
MARSH #3 BROOKE 8-10-XIII	121
METALORE #58 CHARLOTTEVILLE 7-11-V	150
METALORE #61A CHARLOTTEVILLE 6-5-III	149
METALORE #63 CHARLOTTEVILLE 3-8-I	149
MEYLOW HOUGHTON 4-4-ENR	151
OBSERVATION HOLE #1 GODERICH	111
OBSERVATION HOLE #2 GODERICH	111
PAMPERTH WALLACE 1-28-VI	173
PEMB CAN-SUP #2 LAKE ERIE 308-W	117
PEMB CAN-SUP #3 LAKE ERIE 289-W	116
PEMB CAN-SUP #4 LAKE ERIE 353-H	117
PEMB CAN-SUP LAKE ERIE 409-M	118
PEMBINA #1 LAKE ERIE 129-Q	160
PEMBINA #C LAKE ERIE 19-N	74
PEMBINA #1 LAKE ERIE 40-P	80
PEMBINA #1 LAKE ERIE 42-D	82
PEMBINA #1 LAKE ERIE 67-V	83
PEMBINA #1 LAKE ERIE 68-L	84
PEMBINA #1 LAKE ERIE 69-B	86
PEMBINA #1 LAKE ERIE 69-F	87
PEMBINA #1 LAKE ERIE 72-G	90
PEMBINA #1 LAKE ERIE 87-E	92
PEMBINA #1 LAKE ERIE 87-S	93
PEMBINA #1 LAKE ERIE 127-O	160
PEMBINA #1 LAKE ERIE 150-E	161
PEMBINA #2 LAKE ERIE 19-H	73
PEMBINA #2 LAKE ERIE 24-R	77
PEMBINA #2 LAKE ERIE 37-V	79
PEMBINA #2 LAKE ERIE 41-O	81
PEMBINA #2 LAKE ERIE 41-S	81
PEMBINA #2 LAKE ERIE 48-W	152
PEMBINA #2 LAKE ERIE 69-J	87
PEMBINA #2 LAKE ERIE 70-E	88
PEMBINA #2 LAKE ERIE 85-G	91
PEMBINA #2 LAKE ERIE 88-B	93
PEMBINA #2 LAKE ERIE 88-W	94
PEMBINA #2A LAKE ERIE 88-W	95
PEMBINA #3 LAKE ERIE 21-I	75
PEMBINA #3 LAKE ERIE 22-F	75
PEMBINA #3 LAKE ERIE 24-L	76
PEMBINA #3 LAKE ERIE 40-L	79
PEMBINA #3 LAKE ERIE 62-B	153
PEMBINA #3 LAKE ERIE 62-L	153
PEMBINA #3 LAKE ERIE 67-R	83
PEMBINA #3 LAKE ERIE 68-A	84
PEMBINA #3 LAKE ERIE 68-N	85
PEMBINA #3 LAKE ERIE 68-R	85
PEMBINA #3 LAKE ERIE 68-T	86
PEMBINA #3 LAKE ERIE 69-O	88
PEMBINA #3 LAKE ERIE 86-F	91
PEMBINA #3 LAKE ERIE 88-E	94
PEMBINA #3 LAKE ERIE 127-H	159
PEMBINA #3 LAKE ERIE 130-Q	161
PEMBINA #4 LAKE ERIE 19-P	74
PEMBINA #4 LAKE ERIE 22-W	76
PEMBINA #4 LAKE ERIE 41-N	80
PEMBINA #4 LAKE ERIE 63-K	154
PEMBINA #4 LAKE ERIE 67-K	82
PEMBINA #4 LAKE ERIE 70-Q	89
PEMBINA #4 LAKE ERIE 71-C	89
PEMBINA #4A LAKE ERIE 71-C	90
PEMBINA #4 LAKE ERIE 86-N	92
PEMBINA ET AL LAKE ERIE 353-S	118
PEMBINA-CAN-SUP LAKE ERIE 308-B	116
PEMBINA-CAN SUP LAKE ERIE 244-I	115
PEMBINA-CAN SUP LAKE ERIE 289-T	115
PLACE CHARL LAKE ERIE 63-P	154
PLACE CHARLOT LAKE ERIE 63-Q	155
PLACE CHARLOT LAKE ERIE 63-R	155
PLACE-WALP #18 LAKE ERIE 18-W	73
PLACE-WALPOLE LAKE ERIE 17-U	72
REALOIL #13 ALDBOROUGH 6-502-VIII	57
REVALLEE ENNISKILLEN 5-8-XIII	127
REVALLEE ENNISKILLEN 8-8-XIII	125
REVALLEE ENNISKILLEN 8-8-XIII	126
REVALLEE ENNISKILLEN 8-8-XIII	126
REVALLEE ENNISKILLEN 8-8-XIII	127
R&J KNOLL #1 WAINFLEET 6-28-VIII	174
SHELL MCGILLIVRAY 1-13-XVI	147
SHELL RAM BROOKE 5-12-VIII	122
SHELL RAM DAWN 2-23-IV	122
SHELL RAM ENNISKILLEN 8-25-IX	129
SHELL RAM WARWICK 3-11-V	142
SHELL-RAM BROOKE 3-10-IX	121
TADJ #1 N. CAYUGA 3-32-INTR	96
UNEX #13 GAINSBOROUGH 8-8-III	143
UNEX #14 GAINSBOROUGH 2-7-IV	142
UNEX #15 GAINSBOROUGH 7-23-I	144
UNEX #16 GAINSBOROUGH 1-10-III	144
UNEX #17 GAINSBOROUGH 7-8-II	143

Permit Number Index of Wells

PERMIT	WELL NAME	
5047	METALORE #58 CHARLOTTEVILLE 7-11-V	150
5217	DOW #68 MOORE 24-XI	133
5218	DOW #67 MOORE 24-XI	134
5395	FORBES #19 DAWN 8-27-II	123
5478	FREEZE HOLE #1 GODERICH	96
	FREEZE HOLE #2 GODERICH	97
	FREEZE HOLE #3 GODERICH	97
	FREEZE HOLE #4 GODERICH	98
	FREEZE HOLE #5 GODERICH	98
	FREEZE HOLE #6 GODERICH	99
	FREEZE HOLE #7 GODERICH	99
	FREEZE HOLE #8 GODERICH	100
5478	FREEZE HOLE #9 GODERICH	100
	FREEZE HOLE #10 GODERICH	101
	FREEZE HOLE #11 GODERICH	101
	FREEZE HOLE #12 GODERICH	102
	FREEZE HOLE #13 GODERICH	102
	FREEZE HOLE #14 GODERICH	103
	FREEZE HOLE #15 GODERICH	103
	FREEZE HOLE #16 GODERICH	104
	FREEZE HOLE #17 GODERICH	104
	FREEZE HOLE #18 GODERICH	105
	FREEZE HOLE #19 GODERICH	105
	FREEZE HOLE #20 GODERICH	106

PERMIT	WELL NAME	
5478	FREEZE HOLE #21 GODERICH	106
	FREEZE HOLE #22 GODERICH	107
	FREEZE HOLE #23 GODERICH	107
	FREEZE HOLE #25 GODERICH	108
	FREEZE HOLE #26 GODERICH	108
	FREEZE HOLE #27 GODERICH	109
	FREEZE HOLE #28 GODERICH	109
	FREEZE HOLE #29 GODERICH	110
	FREEZE HOLE #30 GODERICH	110
	OBSERVATION HOLE #1 GODERICH	111
	OBSERVATION HOLE #2 GODERICH	111
	CENTRE HOLE GODERICH	112
	HOLE #T4 GODERICH	112
5496	HEMLOCK #7 HOUGHTON 4-2-WNR	151
5507	FRANCISCO BLUEW PLYMPTON 5-1-III	136
5511	BEAR CREEK #15 ENNISKILLEN 1-11-XII	128
5515	REALOIL #13 ALDBOROUGH 6-502-VIII	57
5522	DOW HARWICH 5-20-III	114
5523	DOW #2 SARNIA 2-8-A	140
5524	METALORE #61A CHARLOTTEVILLE 6-5-III	149
5525	DOME STOR P-6 SANDWICH WEST 59-I	70
5528	CONSUMERS 33206 YARMOUTH 6-16-II	67
5528A	CONSUMER 33206A YARMOUTH 16-II	67
5530	L.J.T. PLYMPTON 7-19-VII	139
5532	SHELL MCGILLIVRAY 1-13-XVI	147
5533	MARSH #3 BROOKE 8-10-XIII	121
5534	CONSUMER 33210 ALDBOROUGH 2-7-GORE	56
5535	CHATHAM #1 CHARLOTTEVILLE 7-4-X	148
5536	CHATHAM #2 WOODHOUSE 1-9-II	171
5538	CHATHAM #3 WOODHOUSE 7-13-III	172
5539	METALORE #63 CHARLOTTEVILLE 3-8-I	149
5543	CONSUMER 33209 YARMOUTH 3-22-II	68
5543	CONSUMER 33209A YARMOUTH 3-22-II	68
5544	DOW ET AL MOORE 1-27-XI	135
5545	CONSUMER 33254 DUNWICH 4-16-XI	58
5546	CONSUMERS 33274 DUNWICH 6-6-ABF	57
5547	CONSUMERS 33253 DUNWICH 1-19-X	58
5548	E. LEROY #7 WAINFLEET 1-25-VII	173
5549	CONSUMER 33265 EUPHEMIA 2-23-XI	130
5550	BLUEWATER TRUE MOORE 3-22-III	132
5551	CAMEL TALCORP ENNISKILLEN 5-24-VI	129
5552	DOW #66 MOORE 24-XI	134
5553	DOW #65 MOORE 24-XI	135
5556	CONSUMERS 33255 ALDBOROUGH 1-7-IV	56
5557	BLUEWATER-TRUE PLYMPTON 3-8-V	138
5558	CHATHAM #4 CHAROLOTTEVILLE 5-4-X	148
5559	DOME STORAGE P-8 SANDWICH W. 59-I	71
5566	R&J KNOLL #1 WAINFLEET 6-28-VIII	174
5567	REVALLEE ENNISKILLEN 8-8-XIII	125
5568	EXPLORER SOUTH WALSINGHAM 2-3-I	166
5569	EXPLORER #8 SOUTH WALSINGHAM 6-3-I	166
5570	REVALLEE ENNISKILLEN 8-8-XIII	126
5571	EXPLORER #7 SOUTH WALSINGHAM 3-6-I	169
5572	DOW SARNIA 1-9-501	141
5573	REVALLEE ENNISKILLEN 8-8-XIII	126
5575	MEYLOW HOUGHTON 4-4-ENR	151
5576	H. NUSSY #2 TILBURY WEST 2-6-II	71
5577	REVALLEE ENNISKILLEN 8-8-XIII	127
5578	REVALLEE ENNISKILLEN 5-8-XIII	127
5579	CONSUMERS 31896 LAKE ERIE 37-K	78
5580	CONSUMERS 31897 LAKE ERIE 37-J	78
5581	CONSUMERS 31898 LAKE ERIE 36-P	77
5582	CONSUMERS 13755 LAKE ERIE 220-W	114
5585	CONSUMERS 13743 LAKE ERIE 95-V	157
5586	CONSUMERS 13744 LAKE ERIE 95-M	156
5587	CONSUMER 13745 LAKE ERIE 94-P	156
5588	CONSUMERS 13746 LAKE ERIE 95-U	157
5594	CONSUMERS 13747 LAKE ERIE 186-J	65
5595	CONSUMERS 13748 LAKE ERIE 186-I	65
5596	CONSUMERS 13749 LAKE ERIE 186-H	64
5597	CONSUMERS 13753 LAKE ERIE 183-I	61
5599	CONSUMERS 13751 LAKE ERIE 184-T	62
5600	CONSUMERS 13752 LAKE ERIE 184-H	62
5601	CONSUMERS 13750 LAKE ERIE 185-M	64

PERMIT	WELL NAME	
5603	CONSUMERS 13758 LAKE ERIE 181-O	61
5604	BLUEW TRUE MILT PLYMPTON 4-19-VI	139
5605	CONSUMERS 33323 TILBURY EAST 7-2-VIII	119
5607	PEMBINA #1 LAKE ERIE 69-B	86
5608	PEMBINA #3 LAKE ERIE 21-I	75
5609	PEMBINA #3 LAKE ERIE 22-F	75
5611	PEMBINA #4 LAKE ERIE 41-N	80
5612	PEMBINA #4 LAKE ERIE 63-K	154
5614	SHELL RAM DAWN 2-23-IV	122
5615	EXPLORER #2 SOUTH WALSINGHAM 8-4-II	168
5616	EXPLORER #6 SOUTH WALSINGHAM 5-3-501	167
5617	PEMBINA #2 LAKE ERIE 48-W	152
5618	PEMBINA #4 LAKE ERIE 22-W	76
5619	PEMBINA #3 LAKE ERIE 24-L	76
5620	PEMBINA #1 LAKE ERIE 129-Q	160
5621	PEMBINA #3 LAKE ERIE 130-Q	161
5622	PLACE-WALPOLE LAKE ERIE 17-U	72
5623	PEMBINA #2 LAKE ERIE 24-R	77
5627	HIGGS DISPOSAL DAWN 7-28-IX	124
5628	DOW ET AL PLYMPTON 5-6-II	137
5629	PEMBINA #3 LAKE ERIE 62-L	153
5630	PEMBINA #3 LAKE ERIE 62-B	153
5631	JOHN SUNNY #2 CANBOROUGH 15-1-III	72
5632	TADJ #1 N. CAYUGA 3-32-INTR	96
5633	PEMBINA #3 LAKE ERIE 127-H	159
5634	PEMBINA #1 LAKE ERIE 127-O	160
5635	DOW ET AL PLYMPTON 7-13-II	138
5637	PEMBINA #1 LAKE ERIE 68-L	84
5638	PEMBINA #3 LAKE ERIE 68-R	85
5639	PEMBINA #3 LAKE ERIE 86-F	91
5642	PEMBINA #2 LAKE ERIE 88-B	93
5645	L.A.I. JACQUES 3 ENNISKILLEN 1-17-X	128
5646	PEMBINA #2 LAKE ERIE 19-H	73
5647	PEMBINA #C LAKE ERIE 19-N	74
5648	PEMBINA #1 LAKE ERIE 42-D	82
5649	PEMBINA #3 LAKE ERIE 88-E	94
5650	PEMBINA #2 LAKE ERIE 41-O	81
5651	EXPLORER SOUTH WALSINGHAM 8-2-II	165
5652	PAMPERTH WALLACE 1-28-VI	173
5653	COLONIAL MALDEN 4-41-V	70
5654	ALLIED CHEM G-4 ANDERDON 35-I	69
5655	ALLIED CHEM F-6 ANDERDON 34-I	69
5656	PEMBINA #4 LAKE ERIE 19-P	74
5657	PEMBINA #2 LAKE ERIE 37-V	79
5659	PEMBINA #1 LAKE ERIE 72-G	90
5660	PEMBINA #4 LAKE ERIE 71-C	90
5660	PEMBINA #4A LAKE ERIE 71-C	89
5662	PEMBINA #2 LAKE ERIE 41-S	81
5663	PEMBINA #3 LAKE ERIE 68-T	86
5664	G. TONTSCH WINDHAM 4-XIII	171
5666	PEMBINA #1 LAKE ERIE 67-V	83
5667	PEMBINA #1 LAKE ERIE 69-F	87
5668	PEMBINA #4 LAKE ERIE 67-K	82
5669	PEMBINA #3 LAKE ERIE 68-N	85
5671	CONSUMERS 13765 LAKE ERIE 123-M	159
5673	CONSUMERS 13763 LAKE ERIE 154-J	162
5674	CONSUMERS 13762 LAKE ERIE 155-R	164
5675	CONSUMERS 13766 LAKE ERIE 185-B	63
5676	CHATHAM #6 SOUTH WALSINGHAM 4-12-I	169
5677	CHATHAM #5 SOUTH WALSINGHAM 6-13-501	170
5679	PLACE-WALP #18 LAKE ERIE 18-W	73
5680	HARRY FARR #2 MOULTON 2-14-SFR	95
5682	PEMBINA #3 LAKE ERIE 40-L	79
5685	PEMBINA #2 LAKE ERIE 85-G	91
5686	PEMBINA #4 LAKE ERIE 70-Q	89
5688	CONSUMERS 13770 LAKE ERIE 158-J	60
5690	CONSUMER 13768 LAKE ERIE 123-C	158
5691	CONSUMERS 13767 LAKE ERIE 123-G	158
5692	CONSUMERS 13769 LAKE ERIE 154-U	163
5694	CONSUMERS 13779 LAKE ERIE 155-H	163
5698	CONSUMERS 13778 LAKE ERIE 185-A	63
5699	CONSUMERS 13774 LAKE ERIE 187-G	66
5700	CONSUMERS 13773 LAKE ERIE 187-O	66
5701	CONSUMERS 13776 LAKE ERIE 188-E	164

PERMIT	WELL NAME	
5702	SHELL RAM BROOKE 5-12-VIII	122
5703	SHELL RAM WARWICK 3-11-V	142
5704	DOW DAWN 6-27-XIV	124
5705	DOW ET AL PLYMPTON 6-20-V	140
5706	PEMBINA #1 LAKE ERIE 87-E	92
5707	PEMBINA #2 LAKE ERIE 70-E	88
5708	PEMBINA #2 LAKE ERIE 88-W	94
5708	PEMBINA #2A LAKE ERIE 88-W	95
5709	PEMBINA #1 LAKE ERIE 87-S	93
5711	PEMBINA #4 LAKE ERIE 86-N	92
5712	PEMBINA #2 LAKE ERIE 69-J	87
5713	PEMBINA #3 LAKE ERIE 69-O	88
5714	PEMBINA #3 LAKE ERIE 68-A	84
5715	PEMBINA #3 LAKE ERIE 67-R	83
5716	A-P EUPHEMIA 6-27-IV	131
5717	A-P EUPHEMIA 8-16-VI	130
5718	CAMEL TALCORP ENNISKILLEN 3-4-V	125
5719	PLACE CHARLOT LAKE ERIE 63-R	155
5720	CHATHAM #7 SOUTH WALSINGHAM 8-12-I	170
5722	CONSUMERS 13786 LAKE ERIE 189-D	165
5723	CONSUMERS 13784 LAKE ERIE 153-E	162
5726	CONSUMERS 13783 LAKE ERIE 120-H	60
5727	CONSUMERS 13781 LAKE ERIE 55-T	59
5730	PEMBINA-CAN SUP LAKE ERIE 244-I	115
5731	PEMBINA ET AL LAKE ERIE 353-S	118
5732	PEMB CAN-SUP LAKE ERIE 409-M	118
5734	PEMBINA-CAN-SUP LAKE ERIE 308-B	116
5735	A-P ZONE 2-15-VI	120
5737	PEMBINA #1 LAKE ERIE 150-E	161
5738	PEMB CAN-SUP #3 LAKE ERIE 289-W	116
5739	BURNT ISLAND #1 ROBINSON 1-35-IV	146
5740	EXPLORER #1 SOUTH WALSINGHAM 3-3-II	167

PERMIT	WELL NAME	
5741	EXPLORER #5 SOUTH WALSINGHAM 1-4-II	168
5742	BURNT ISLAND #5 ROBINSON 2-30-VI	145
5743	BURNT ISLAND #4 ROBINSON 4-30-V	147
5744	BURNT ISLAND #3 ROBINSON 2-32-V	145
5745	BURNT ISLAND #2 ROBINSON 1-35-V	146
5746	PEMB CAN-SUP #2 LAKE ERIE 308-W	117
5747	CONSUMERS 13792 LAKE ERIE 55-L	59
5751	C W P ET AL LAKE ERIE 46-B	152
5752	PEMB CAN-SUP #4 LAKE ERIE 353-H	117
5753	A-P ZONE 3-21-RR	120
5754	PLACE CHARLOT LAKE ERIE 63-Q	155
5755	A-P EUPHEMIA 4-28-IV	131
5756	LMG DAWN 5-27-III	123
5757	PLACE CHARL LAKE ERIE 63-P	154
5758	SHELL-RAM BROOKE 3-10-IX	121
5759	SHELL RAM ENNISKILLEN 8-25-IX	129
5760	PEMBINA #1 LAKE ERIE 40-P	80
5761	BLUEWATER TRUE PLYMPTON 5-7-V	137
5762	A-P CAMDEN 4-13-501	113
5763	UNEX #13 GAINSBOROUGH 8-8-III	143
5764	PEMBINA-CAN SUP LAKE ERIE 289-T	115
5765	BLUEWATER TRUE SARNIA 2-11-VIII	141
5767	UNEX #14 GAINSBOROUGH 2-7-IV	142
5769	UNEX #15 GAINSBOROUGH 7-23-I	144
5770	UNEX #16 GAINSBOROUGH 1-10-III	144
5771	UNEX #17 GAINSBOROUGH 7-8-II	143
5773	DOW ET AL MOORE 63-RF	136
5774	CHATHAM #9 CHARLOTTEVILLE 5-9-X	150
5779	DOMINION DDH #2 GODERICH	113
5783	DOW CHEMICAL 71 MOORE 23-XI	132
5784	DOW CHEMICAL 72 MOORE 23-XI	133
5788	CONSUMERS 33406 RALEIGH 3-1-VI	119
5794	C S ET AL DEREHAM 1-27-VII	172

WELL SUMMARY CARDS

Listed Alphabetically by County and Township

CLASS NFW FIELD/POOL STATUS DRY HOLE -ABD
COUNTY ELGIN TOWNSHIP ALDBOROUGH LOT 7 CON GORE
WELL NAME: CONSUMER 33210 ALDBOROUGH 2-7-GORE PERMIT NO.: 5534
OPERATOR CONSUMERS GAS CO. TOTAL DEPTH 1244.0M PRTD
DRILLING CO SHAW RIG TYPE CAB ELEV 212.3M± 1.5M
GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES 110.0M S; 110.0M E
LATITUDE 42-34-52 N
LONGITUDE 81-41-57 W MEQ 1
CONFIDENTIAL 1982 03 20
SPUDDED 1981 01 06
COMPLETED 1981 03 20
ABANDONED 1981 03 28
SPL TRAY No 7197 INDEX No 1136

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 109.8					
LAKE / GROUND LEVEL				212.3	
DRIFT / LAKE BOTTOM			1.5		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	0.		
		MARCELLUS	0.		
		DUNDEE	107.0		
	DETROIT RIVER	LUCAS	157.0		
		AMHERSTBURG	179.0		
		BOIS BLANC	208.0		
		BASS ISLANDS	275.8		
SILURIAN		G UNIT SHALE	327.0		
		F UNIT SHALE	335.0		
		E UNIT CARB	367.0		
		D UNIT SALT	0.		
		C UNIT SHALE	401.0		
		MARKER	413.0		
		B UNIT SALT	433.0		
		ANHY	484.0		
		CARB	488.0		
		A-2 UNIT SALT	0.		
		ANHY	513.0		
		CARB	516.0		
		A-1 UNIT EVAP	538.0		
	GUELPH		593.6		
	ERAMOSA		0.		
	AMABEL	GOAT ISLAND	560.0		
		GASPORT	594.0		
		ROCHESTER	603.0		
		IRONDEQUOIT	0.		
		REYNALES	617.0		
		THOROLD	0.		
	CATARACT	GRIMSBY	619.4		
		CABOT HEAD	629.6		
		MANITOULIN	651.6		
		WHIRLPOOL	0.		
ORDOVICIAN		QUEENSTON	661.0		
		MEAFORD DUNDAS	782.1		
		COLLINGWOOD	924.3		
	TRENTON	COBOURG	955.0		
		VERULAM	990.6		
		KIRKFIELD	1015.2		
	BLACK RIVER	COBOCONK	1093.6		
		GULL RIVER	1119.2		
		SHADOW LAKE	1214.7		
CAMBRIAN			1216.0		
PRECAMBRIAN			1239.0		
TOTAL DEPTH SAMPLES 1244.0			MQC	7	

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
76.0-			FRESH
142.0-			SULPHUR
1213.0-			SALT

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
340MM	71.4KG	106.8	CASING SHOE	41.0
273MM	75.9KG	108.3	CASING SHOE	108.3
219MM	35.7KG	383.5	CASING SHOE	364.6
178MM	29.8KG	956.9	CEMENTED	749.9

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0-1244.5	GRNL	383.5-1244.5	DENL

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

DOVER BAY 0. FOSSIL NIL 0. DE CEW 0.
B UNIT EQU 418.9

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED FORMATION(S) OPEN HOLE

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS OIL SHOW -ABD
COUNTY ELGIN TOWNSHIP ALDBOROUGH LOT 7 CON IV
WELL NAME: CONSUMERS 33255 ALDBOROUGH 1-7-IV PERMIT NO.: 5556
OPERATOR CONSUMERS GAS CO. TOTAL DEPTH 181.0M PRTD
DRILLING CO STEVENSON C. RIG TYPE CAB ELEV 218.6M± 1.5M
GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES 62.0M S; 62.0M W
LATITUDE 42-36-10 N
LONGITUDE 81-44-53 W MEQ 1
CONFIDENTIAL 1981 05 21
SPUDDED 1981 04 06
COMPLETED 1981 04 21
ABANDONED 1981 04 25
SPL TRAY No 2519 INDEX No 1129

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 80.8					
LAKE / GROUND LEVEL				218.6	
DRIFT / LAKE BOTTOM			1.5		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS	75.0		
		DUNDEE	88.5		
	DETROIT RIVER	LUCAS	136.0		
		AMHERSTBURG			
		BOIS BLANC			
		BASS ISLANDS			
SILURIAN		G UNIT SHALE			
		F UNIT SHALE			
		E UNIT CARB			
		D UNIT SALT			
		C UNIT SHALE			
		MARKER			
		B UNIT SALT			
		ANHY			
		CARB			
		A-2 UNIT SALT			
		ANHY			
		CARB			
		A-1 UNIT EVAP			
	GUELPH				
	ERAMOSA				
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 179.5			MQC	6	

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
136.0- 143.0		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
52.0-			FRESH
125.0- 126.0			SULPHUR
143.0-			SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	35.7KG	74.5	CASING SHOE	74.5
178MM	29.8KG	89.0	CEMENTED	1.5

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
90.0- 173.5	SONL	90.0- 180.0	DIFS

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

COLUMBUS FACIES PRESENT IN LUCAS
UPPER PICKS INTERPRETIVE, NO LOGS OR SAMPLES

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED FORMATION(S) OPEN HOLE

DST(S) ON FILE TREATMENT

WELL SUMMARY CARDS LISTED ALPHABETICALLY BY COUNTY & TOWNSHIP

COUNTY ELGIN TOWNSHIP ALDBOROUGH LOT 502 CON VIII -ABD

WELL NAME: REALOIL #13 ALDBOROUGH 6-502-VIII PERMIT NO: 5515
OPERATOR REAL OIL ENTERPRI.
DRILLING CO NEWPORT WELLINGTON
GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 1226.7M PBTD
RIG TYPE CAB ELEV 209.9M+ 1.2M
CO-ORDINATES 502.9M N: 150.9M E
LATITUDE 42-31-47 N
LONGITUDE 81-43-31 W SEQ 1
CONFIDENTIAL 1981 05 08
SPUDDED 1980 11 18
COMPLETED 1981 04 08
ABANDONED 1981 04 29
SPL TRAY No 7167 INDEX No 1127

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 90.0					
LAKE / GROUND LEVEL				209.9	
DRIFT / LAKE BOTTOM			1.2		
DEVONIAN	PRT LAMBTON				
		KETTLE POINT			
	HAMILTON		91.0		
		MARCELLUS			
		DUNDEE	114.0		
	DETROIT RIVER	LUCAS	160.3		
		AMHERSTBURG	198.4		
		BOIS BLANC	226.8		
		BASS ISLANDS	254.0		
SILURIAN		Q UNIT SHALE	328.6		
		F UNIT SHALE	336.2		
		E UNIT CARB	342.3		
		D UNIT SALT	0.		
		C UNIT SHALE	403.3		
		MARKER	406.3		
		B UNIT SALT	0.		
		ANHY	428.0		
		CARB	431.6		
		A-2 UNIT SALT	0.		
		ANHY	450.0		
		CARB	454.0		
		A-1 UNIT EVAP	502.0		
	GUELPH		508.0		
	ERAMOSA				
	AMABEL	GOAT ISLAND	546.6		
		GASPORT	618.0		
		ROCHESTER	640.0		
		IRONDEQUOIT	0.		
		REYNALES	0.		
		THOROLD	0.		
		GRIMSBY	0.		
	CATARACT	CABOT HEAD	648.0		
		MANITOULIN	684.0		
		WHIRLPOOL	0.		
ORDOVICIAN		QUEENSTON	701.0		
		MEAFORD-DUNDAS	793.0		
		COLLINGWOOD	923.0		
	TRENTON	COBOURG	954.0		
		VERULAM	977.8		
		KIRKFIELD	1033.6		
	BLACK RIVER	COBOCONK	1091.5		
		GULL RIVER	1118.0		
		SHADOW LAKE	1215.5		
CAMBRIAN			1217.4		
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 1230.0			MOC	6	

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
48.8-	3.0		FRESH
179.8-	10.5		MINERAL

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
340MM	71.5KG	73.3	CASING SHOE	34.7
273MM	59.6KG	91.4	CASING SHOE	91.4
219MM	35.7KG	137.5	CASING SHOE	111.8
178MM	29.8KG	639.2	CEMENTED	524.3

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
944.9-1226.7	GRNL		

CORING RECORD

CONDITION	STORED		*ANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

OVER BAY 0. FOSSIL NIL 0. D UNIT EQU 398.4
B UNIT EQU 410.0 DE CEW 633.0
LOGS INCOMPLETE
COLUMBUS FACIES PRESENT IN LUCAS

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS DRY HOLE -ABD

COUNTY ELGIN TOWNSHIP DUNWICH LOT 6 CON ABF

WELL NAME CONSUMERS 33274 DUNWICH 6-6-ABF PERMIT NO: 5546
OPERATOR CONSUMERS GAS CO.
DRILLING CO SHAW
GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 520.4M PBTD
RIG TYPE CAB ELEV 203.4M+ 1.5M
CO-ORDINATES 550.0M N: 410.0M W
LATITUDE 42-41-59 N
LONGITUDE 81-36-59 W SEQ 1
CONFIDENTIAL 1981 06 06
SPUDDED 1981 04 06
COMPLETED 1981 05 06
ABANDONED 1981 05 11
SPL TRAY No 6993 INDEX No 1134

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 60.0					
LAKE / GROUND LEVEL				203.4	
DRIFT / LAKE BOTTOM			1.5		
DEVONIAN	PRT LAMBTON				
		KETTLE POINT			
	HAMILTON		59.0		
		MARCELLUS	0.		
		DUNDEE	101.4		
	DETROIT RIVER	LUCAS	140.0		
		AMHERSTBURG	181.0		
		BOIS BLANC	201.0		
		BASS ISLANDS	266.5		
SILURIAN		Q UNIT SHALE	295.0		
		F UNIT SHALE	308.1		
		E UNIT CARB	329.8		
		D UNIT SALT	0.		
		C UNIT SHALE	366.6		
		MARKER	376.0		
		B UNIT SALT	0.		
		ANHY	389.0		
		CARB	394.0		
		A-2 UNIT SALT	0.		
		ANHY	0.		
		CARB	420.0		
		A-1 UNIT EVAP	441.5		
	GUELPH		445.5		
	ERAMOSA		0.		
	AMABEL	GOAT ISLAND	462.4		
		GASPORT	499.5		
		ROCHESTER	505.5		
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 521.0			MOC	7	

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
394.0- 398.0		
419.0-	SHOW	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
44.0-			FRESH
162.0-			SULPHUR
261.0-			SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	63.0	CASING SHOE	54.4
219MM	35.7KG	103.0	CASING SHOE	103.0
178MM	29.8KG	312.9	CEMENTED	242.9

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 520.4	GRNL	313.1- 520.4	DENL

CORING RECORD

CONDITION	STORED		*ANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

DE CEW 0. D UNIT EQU 362.0 B UNIT EQU 381.0
COLUMBUS FACIES PRESENT IN LUCAS

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS NFW FIELD POOL STATUS DRY HOLE -ABD
COUNTY ELGIN TOWNSHIP DUNWICH LOT 16 CON XI
WELL NAME: CONSUMER 33254 DUNWICH 4-16-XI PERMIT NO: 5545
OPERATOR CONSUMERS GAS CO. TOTAL DEPTH 189.0M PBTD
DRILLING CO STEVENSON C. RIG TYPE CAB ELEV 204.7M± 1.5M
GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES 439.0M S; 220.0M W
LATITUDE 42-37-09 N
LONGITUDE 81-24-26 W SEQ 1
CONFIDENTIAL 1982 02 17
SPUDDED 1981 01 29
COMPLETED 1981 02 17
ABANDONED 1981 02 28
SPL TRAY No 2992 INDEX No 1126

GEOLOGICAL CONTACTS	TOP m	ELEV m	THICK m
SAMPLES START AT 61.0			
LAKE / GROUND LEVEL		204.7	
DRIFT / LAKE BOTTOM	1.5		
DEVONIAN — PRT LAMBTON			
DEVONIAN — KETTLE POINT			
DEVONIAN — HAMILTON — MARCELLUS			
DEVONIAN — DUNDEE	61.0		
DEVONIAN — DETROIT RIVER — LUCAS	113.0		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	134.0		
DEVONIAN — BOIS BLANC	162.5		
SILURIAN — BASS ISLANDS			
SILURIAN — G UNIT SHALE			
SILURIAN — F UNIT SHALE			
SILURIAN — E UNIT CARB			
SILURIAN — D UNIT SALT			
SILURIAN — C UNIT SHALE			
SILURIAN — MARKER			
SILURIAN — B UNIT SALT			
SILURIAN — ANHY			
SILURIAN — CARB			
SILURIAN — A 2 UNIT SALT			
SILURIAN — ANHY			
SILURIAN — A 1 UNIT CARB			
SILURIAN — EVAP			
SILURIAN — GUELPH			
SILURIAN — ERAMOSA			
SILURIAN — AMABEL — GOAT ISLAND			
SILURIAN — AMABEL — GASPORT			
SILURIAN — AMABEL — ROCHESTER			
SILURIAN — AMABEL — IRONDEQUOIT			
SILURIAN — REYNALES			
SILURIAN — THOROLD			
SILURIAN — CATARACT — GRIMSBY			
SILURIAN — CATARACT — CABOT HEAD			
SILURIAN — CATARACT — MANITOULIN			
SILURIAN — CATARACT — WHIRLPOOL			
ORDOVICIAN — QUEENSTON			
ORDOVICIAN — MEAFORD DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES 189.0	MQC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
99.0- 104.0	SHOW	

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
43.0-			FRESH
64.0-			SULPHUR
99.0-			SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	35.7KG	61.6	CASING SHOE	61.6
178MM	29.8KG	73.0	CASING SHOE	64.0

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 189.0	GRNL	73.5- 188.0	DENL

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS
COLUMBUS FACIES PRESENT IN LUCAS
POOR AGREEMENT BETWEEN LOG & SAMPLES

FINAL RESULTS
OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED FORMATION(S) OPEN HOLE

DST(S) ON FILE TREATMENT

CLASS NFW FIELD POOL STATUS DRY HOLE -ABD
COUNTY ELGIN TOWNSHIP DUNWICH LOT 19 CON X
WELL NAME: CONSUMERS 33253 DUNWICH 1-19-X PERMIT NO 5547
OPERATOR CONSUMERS GAS CO. TOTAL DEPTH 192.0M PBTD
DRILLING CO STEVENSON C. RIG TYPE CAB ELEV 211.8M± 1.5M
GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES 397.0M S; 240.0M E
LATITUDE 42-37-08 N
LONGITUDE 81-24-26 W SEQ 1
CONFIDENTIAL 1982 03 10
SPUDDED 1981 03 03
COMPLETED 1981 03 10
ABANDONED 1981 03 25
SPL TRAY No 6871 INDEX No 192

GEOLOGICAL CONTACTS	TOP m	ELEV m	THICK m
SAMPLES START AT 84.0			
LAKE / GROUND LEVEL		211.8	
DRIFT / LAKE BOTTOM	1.5		
DEVONIAN — PRT LAMBTON			
DEVONIAN — KETTLE POINT			
DEVONIAN — HAMILTON — MARCELLUS			
DEVONIAN — DUNDEE	84.2		
DEVONIAN — DETROIT RIVER — LUCAS	131.0		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	154.0		
DEVONIAN — BOIS BLANC	170.0		
SILURIAN — BASS ISLANDS			
SILURIAN — G UNIT SHALE			
SILURIAN — F UNIT SHALE			
SILURIAN — E UNIT CARB			
SILURIAN — D UNIT SALT			
SILURIAN — C UNIT SHALE			
SILURIAN — MARKER			
SILURIAN — B UNIT SALT			
SILURIAN — ANHY			
SILURIAN — CARB			
SILURIAN — A 2 UNIT SALT			
SILURIAN — ANHY			
SILURIAN — A 1 UNIT CARB			
SILURIAN — EVAP			
SILURIAN — GUELPH			
SILURIAN — ERAMOSA			
SILURIAN — AMABEL — GOAT ISLAND			
SILURIAN — AMABEL — GASPORT			
SILURIAN — AMABEL — ROCHESTER			
SILURIAN — AMABEL — IRONDEQUOIT			
SILURIAN — REYNALES			
SILURIAN — THOROLD			
SILURIAN — CATARACT — GRIMSBY			
SILURIAN — CATARACT — CABOT HEAD			
SILURIAN — CATARACT — MANITOULIN			
SILURIAN — CATARACT — WHIRLPOOL			
ORDOVICIAN — QUEENSTON			
ORDOVICIAN — MEAFORD DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES 192.0	MQC 7		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
128.0	SHOW	

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
110.0-			SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	35.7KG	83.8	CASING SHOE	65.0
178MM	29.8KG	88.0	CASING SHOE	78.0

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 191.4	GRNL	87.0- 191.4	DENL

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS
COLUMBUS FACIES PRESENT IN LUCAS

FINAL RESULTS
OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED FORMATION(S) OPEN HOLE

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS GAS PRODUCER

COUNTY ELGIN TOWNSHIP LAKE ERIE LOT 55 CON L

WELL NAME: CONSUMERS 13792 LAKE ERIE 55-L PERMIT NO 5767

OPERATOR CONSUMERS GAS CO. TOTAL DEPTH 349.0M PBTD 342.0M

DRILLING CO UNDERWATER GAS DEV RIG TYPE ROT ELEV 174.7M+ 6.7M

GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES

LATITUDE 42-37-08 N

LONGITUDE 80-56-59 W SEC 1

CONFIDENTIAL 1981 10 26

SPUDDED 1981 09 22

COMPLETED 1981 09 26

ABANDONED

SPL TRAY No 7615 INDEX No 1142

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 193.0					
LAKE / GROUND LEVEL			6.7	174.7	
DRIFT / LAKE BOTTOM			21.1		
DEVONIAN	PRT LAMBTON				
	KETTLE POINT				
	HAMILTON	MARCELLUS	65.1		
		DUNDEE	74.9		
	DETROIT RIVER	LUCAS	92.8		
		AMHERSTBURG	119.8		
		BOIS BLANC	141.5		
		BASS ISLANDS	169.9		
SILURIAN		G UNIT SHALE	196.8		
		F UNIT SHALE	206.9		
		E UNIT CARB	231.9		
		D UNIT SALT	0.		
		C UNIT SHALE	266.0		
		MARKER	285.7		
		B UNIT SALT	0.		
		ANHY	299.0		
		CARB	304.0		
		A-2 UNIT SALT	0.		
		ANHY	317.5		
		CARB	319.9		
		A-1 UNIT EVAP	0.		
	GUELPH		323.8		
	ERAMOSA				
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
	CATARACT	REYNALES			
		THOROLD			
		GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN	TRENTON	QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
		COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 349.0		MOC 6			

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
313.0- 328.5	36561 M3/D	4456 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
273MM	75.9KG	21.1	HANGING	21.1
219MM	35.7KG	140.2	CEMENTED	
114MM	14.1KG	345.1	CEMENTED	
60MM	7.0KG	319.9	HANGING	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
141.0- 349.5	LATL	20.0- 349.5	CNFD
260.0- 342.4	CMPL		

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 261.1 B UNIT EQU 291.0

CRITICAL MISSING SAMPLES

UPPER PICKS INTERPRETIVE, NO LOGS OR SAMPLES

FINAL RESULTS

OIL NIL

GAS 36561 M3/D

PRESSURE 4456 KPA

PRODUCING INTVL (m) 324.5- 326.0

PERFORATED YES OPEN HOLE

FORMATION(S) GUELPH

1 DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD POOL STATUS GAS PRODUCER

COUNTY ELGIN TOWNSHIP LAKE ERIE LOT 55 CON T

WELL NAME: CONSUMERS 13781 LAKE ERIE 55-T PERMIT NO 5727

OPERATOR CONSUMERS GAS CO. TOTAL DEPTH 375.0M PBTD 358.0M

DRILLING CO UNDERWATER GAS DEV RIG TYPE ROT ELEV 174.7M+ 7.0M

GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES

LATITUDE 42-36-55 N

LONGITUDE 80-55-55 W SEC 1

CONFIDENTIAL 1981 09 03

SPUDDED 1981 07 30

COMPLETED 1981 08 03

ABANDONED

SPL TRAY No 5237 INDEX No 1145

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 122.0					
LAKE GROUND LEVEL			7.0	174.7	
DRIFT LAKE BOTTOM			22.0		
DEVONIAN	PRT LAMBTON				
	KETTLE POINT				
	HAMILTON	MARCELLUS			
		DUNDEE	65.5		
	DETROIT RIVER	LUCAS	82.6		
		AMHERSTBURG	113.0		
		BOIS BLANC	133.5		
		BASS ISLANDS	172.1		
SILURIAN		G UNIT SHALE	199.2		
		F UNIT SHALE	208.4		
		E UNIT CARB	232.7		
		D UNIT SALT	0.		
		C UNIT SHALE	269.0		
		MARKER	281.4		
		B UNIT SALT	0.		
		ANHY	295.4		
		CARB	300.1		
		A-2 UNIT SALT	0.		
		ANHY	313.1		
		CARB	315.6		
		A-1 UNIT EVAP	0.		
	GUELPH		318.4		
	ERAMOSA				
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
	CATARACT	REYNALES			
		THOROLD			
		GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN	TRENTON	QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
		COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 375.0		MOC 6			

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
309.0- 342.0	19456 M3/D	4460 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
273MM	75.9KG	22.1	HANGING	22.1
219MM	35.7KG	119.5	CEMENTED	
114MM	14.1KG	368.7	CEMENTED	
60MM	7.0KG	316.7	HANGING	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
20.0- 375.7	CNFD	120.0- 375.2	LATL
275.0- 358.5	CMPL		

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 264.2 B UNIT EQU 288.0

SPRINGVALE AT BASE OF BOIS BLANC

CRITICAL MISSING SAMPLES

FINAL RESULTS

OIL NIL

GAS 19456 M3/D

PRESSURE 4460 KPA

PRODUCING INTVL (m) 320.5- 323.5

PERFORATED YES OPEN HOLE

FORMATION(S) GUELPH

1 DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD POOL STATUS DRY HOLE -ABD

COUNTY ELGIN TOWNSHIP LAKE ERIE LOT 120 CON M

WELL NAME CONSUMERS 13783 LAKE ERIE 120-H PERMIT NO 5726

OPERATOR CONSUMERS GAS CO. TOTAL DEPTH 530.0M PBTD

DRILLING CO UNDERWATER GAS DEV RIG TYPE ROT ELEV 174.7M+ 6.7M

GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES

LATITUDE 42-28-51 N

LONGITUDE 80-52-16 W SEQ 1

CONFIDENTIAL 1981 09 08

SPUDDED 1981 08 06

COMPLETED 1981 08 08

ABANDONED 1981 08 09

SPL TRAY No 1686 INDEX No 1147

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 145.0					
LAKE / GROUND LEVEL			6.7	174.7	
DRIFT / LAKE BOTTOM			26.0		
DEVONIAN	PRT LAMBTON		0.		
	KETTLE POINT		0.		
	HAMILTON		94.3		
		MARCELLUS			
	DUNDEE		132.5		
	DETROIT RIVER	LUCAS	159.9		
		AMHERSTBURG	179.7		
	BOIS BLANC		201.6		
	BASS ISLANDS		236.6		
SILURIAN		G UNIT SHALE	270.7		
		F UNIT SHALE	279.2		
		E UNIT CARB	303.5		
		D UNIT SALT	0.		
		C UNIT SHALE	343.0		
		MARKER	350.0		
		B UNIT SALT	0.		
		ANHY	361.0		
		CARB	369.3		
		A-2 UNIT SALT	0.		
		ANHY	382.6		
		CARB	386.4		
		A-1 UNIT EVAP	0.		
	GUELPH		389.1		
	ERAMOSA				
	AMABEL	GOAT ISLAND	427.6		
		GASPORT	450.3		
		ROCHESTER	470.8		
		IRONDEQUOIT	0.		
	REYNALES		479.1		
	THOROLD		482.1		
	CATARACT	GRIMSBY	483.6		
		CABOT HEAD	497.8		
		MANITOULIN	516.0		
		WHIRLPOOL	0.		
ORDOVICIAN		QUEENSTON	520.1		
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 528.0			MOC		?

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
480.5- 487.5		2084 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	26.0	HANGING	26.0
219MM	35.7KG	142.2	CEMENTED	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
25.0- 530.0	GRNL	142.0- 530.0	DENL
150.0- 530.0	LATL	150.0- 530.0	CALP

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 337.5 B UNIT EQU 355.5 DE CEV 461.6

SPRINGVALE AT BASE OF BOIS BLANC

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATION(S) OPEN HOLE

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD POOL STATUS DRY HOLE -ABD

COUNTY ELGIN TOWNSHIP LAKE ERIE LOT 158 CON J

WELL NAME CONSUMERS 13770 LAKE ERIE 158-J PERMIT NO 5688

OPERATOR CONSUMERS GAS CO. TOTAL DEPTH 555.0M PBTD

DRILLING CO UNDERWATER GAS DEV RIG TYPE ROT ELEV 174.7M+ 7.0M

GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES

LATITUDE 42-23-28 N

LONGITUDE 80-55-34 W SEQ 1

CONFIDENTIAL 1981 09 13

SPUDDED 1981 08 09

COMPLETED 1981 08 13

ABANDONED 1981 08 14

SPL TRAY No 4198 INDEX No 1143

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 177.0					
LAKE / GROUND LEVEL			7.0	174.7	
DRIFT / LAKE BOTTOM			28.2		
DEVONIAN	PRT LAMBTON		0.		
	KETTLE POINT		95.4		
	HAMILTON		111.3		
		MARCELLUS			
	DUNDEE		164.7		
	DETROIT RIVER	LUCAS	181.4		
		AMHERSTBURG	197.4		
	BOIS BLANC		221.5		
	BASS ISLANDS		238.2		
SILURIAN		G UNIT SHALE	269.1		
		F UNIT SHALE	276.5		
		E UNIT CARB	301.0		
		D UNIT SALT	0.		
		C UNIT SHALE	337.3		
		MARKER	352.7		
		B UNIT SALT	0.		
		ANHY	365.2		
		CARB	370.2		
		A-2 UNIT SALT	0.		
		ANHY	381.8		
		CARB	383.5		
		A-1 UNIT EVAP	0.		
	GUELPH		388.0		
	ERAMOSA				
	AMABEL	GOAT ISLAND	456.4		
		GASPORT	475.1		
		ROCHESTER	505.5		
		IRONDEQUOIT	0.		
	REYNALES		524.5		
	THOROLD		528.1		
	CATARACT	GRIMSBY	531.6		
		CABOT HEAD	539.0		
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 555.0			MOC		?

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	28.2	HANGING	28.2
219MM	35.7KG	173.8	CEMENTED	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
25.0- 551.0	GRNL	175.0- 555.0	DENL

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 332.7 B UNIT EQU 350.0 DE CEV 484.4

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATION(S) OPEN HOLE

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS GAS SHOW -ABD

COUNTY ELGIN TOWNSHIP LAKE ERIE LOT 181 CON 0

WELL NAME: CONSUMERS 13758 LAKE ERIE 181-0 PERMIT NO: 5603

OPERATOR: CONSUMERS GAS CO. TOTAL DEPTH 649.0M PBTD

DRILLING CO: UNDERWATER GAS DEV RIG TYPE ROT ELEV 174.7M+ 6.5M

GEOLOGY BY: PETROLEUM RESOURCE CO ORDINATES

LATITUDE 42-17-50 N

LONGITUDE 81-14-15 W SEQ 1

CONFIDENTIAL 1982 06 02

SPUDDED 1981 05 29

COMPLETED 1981 06 02

ABANDONED 1981 06 03

SPL TRAY No 7179 INDEX No 1132

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 102.0					
LAKE / GROUND LEVEL			6.5	174.7	
DRIFT / LAKE BOTTOM			29.2		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT	73.0		
		MARCELLUS	122.2		
		DUNDEE	208.0		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	257.0		
		BOIS BLANC	275.0		
		BASS ISLANDS	308.0		
SILURIAN		G UNIT SHALE	352.0		
		F UNIT SHALE	357.2		
		E UNIT CARB	383.0		
		D UNIT SALT	0.		
		C UNIT SHALE	400.1		
		MARKER	405.0		
		B UNIT SALT	0.		
		ANHY	422.5		
		CARB	426.1		
		A-2 UNIT SALT	0.		
		ANHY	443.7		
		CARB	445.1		
		A-1 UNIT EVAP	0.		
	GUELPH				
	ERAMOSA		455.4		
	AMABEL	GOAT ISLAND	498.0		
		GASPORT	512.6		
		ROCHESTER	570.0		
		IRONDEQUOIT	0.		
		REYNALES	587.0		
		THOROLD	592.0		
	CATARACT	GRIMSBY	593.5		
		CABOT HEAD	598.0		
		MANITOULIN	626.5		
		WHIRLPOOL	631.5		
ORDOVICIAN		QUEENSTON	633.0		
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 645.0 MQC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
590.0- 600.0	345 M3/D	6156 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
493.0-			SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	29.2	HANGING	29.2
244MM	53.6KG	74.1	CEMENTED	
178MM	29.8KG	249.9	CEMENTED	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
250.0- 638.0	LATL	30.0- 642.0	CNFD

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

OVER BAY 0. FOSSIL NIL 0. DE CEW 0.
D UNIT EQU 394.8 B UNIT EQU 410.6
ORISKANY AT BASE OF BOIS BLANC
SPRINGVALE AT BASE OF BOIS BLANC

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

1 DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS GAS SHOW -ABD

COUNTY ELGIN TOWNSHIP LAKE ERIE LOT 183 CON 1

WELL NAME: CONSUMERS 13753 LAKE ERIE 183-1 PERMIT NO: 5597

OPERATOR: CONSUMERS GAS CO. TOTAL DEPTH 616.0M PBTD

DRILLING CO: UNDERWATER GAS DEV RIG TYPE ROT ELEV 174.7M+ 6.5M

GEOLOGY BY: PETROLEUM RESOURCE CO ORDINATES

LATITUDE 42-18-58 N

LONGITUDE 81-01-57 W SEQ 1

CONFIDENTIAL 1981 07 27

SPUDDED 1981 06 24

COMPLETED 1981 06 27

ABANDONED 1981 06 28

SPL TRAY No 6060 INDEX No 1144

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 99.0					
LAKE GROUND LEVEL			6.5	174.7	
DRIFT LAKE BOTTOM			28.7		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT	90.9		
		MARCELLUS	156.1		
		DUNDEE	186.1		
	DETROIT RIVER	LUCAS	207.0		
		AMHERSTBURG	0.		
		BOIS BLANC	232.0		
		BASS ISLANDS	256.0		
SILURIAN		G UNIT SHALE	281.0		
		F UNIT SHALE	315.6		
		E UNIT CARB	323.6		
		D UNIT SALT	347.4		
		C UNIT SHALE	0.		
		MARKER	385.6		
		B UNIT SALT	401.6		
		ANHY	0.		
		CARB	415.6		
		A-2 UNIT SALT	420.9		
		ANHY	0.		
		CARB	433.0		
		A-1 UNIT EVAP	436.0		
	GUELPH		0.		
	ERAMOSA		458.2		
	AMABEL	GOAT ISLAND			
		GASPORT	521.5		
		ROCHESTER	543.6		
		IRONDEQUOIT	562.2		
		REYNALES	564.5		
		THOROLD	566.4		
	CATARACT	GRIMSBY	570.0		
		CABOT HEAD	580.0		
		MANITOULIN	599.4		
		WHIRLPOOL	605.1		
ORDOVICIAN		QUEENSTON	606.0		
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 612.0 MQC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
564.0- 570.2	450 M3/D	6869 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	28.7	HANGING	28.7
244MM	53.6KG	91.3	CEMENTED	
178MM	29.8KG	229.8	CEMENTED	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
230.3- 614.5	LATL	20.0- 614.5	CNFD

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

D UNIT EQU 380.0 B UNIT EQU 409.0 DE CEW 531.3

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

1 DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS GAS SHOW -ABD
COUNTY ELGIN TOWNSHIP LAKE ERIE LOT 184 CON M
WELL NAME: CONSUMERS 13752 LAKE ERIE 184-M PERMIT NO.: 5600
OPERATOR CONSUMERS GAS CO. TOTAL DEPTH 603.0M PBTD 613.7M
DRILLING CO UNDERWATER GAS DEV RIG TYPE ROT ELEV 174.7M+ 6.5M
GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES
LATITUDE 42-16-06 N
LONGITUDE 80-57-43 W SEQ 1
CONFIDENTIAL 1981 08 02
SPUDDED 1981 06 28
COMPLETED 1981 07 02
ABANDONED 1981 07 03
SPL TRAY No 7201 INDEX No 1137

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 93.0					
LAKE / GROUND LEVEL			6.5	174.7	
DRIFT / LAKE BOTTOM			28.3		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	82.0		
		MARCELLUS	139.4		
	DUNDEE		171.0		
	DETROIT RIVER	LUCAS	190.8		
		AMHERSTBURG	211.6		
		BOIS BLANC	230.3		
SILURIAN	BASS ISLANDS		248.3		
	G UNIT	SHALE	269.5		
	F UNIT	SHALE	313.2		
	E UNIT	CARB	321.4		
	D UNIT	SALT	386.4		
	C UNIT	SHALE	0.		
		MARKER	384.2		
	B UNIT	SALT	392.3		
		ANHY	0.		
		CARB	405.7		
	A-2 UNIT	SALT	411.2		
		ANHY	0.		
	A-1 UNIT	CARB	423.2		
		EVAP	425.8		
	GUELPH		0.		
	ERAMOSA		430.3		
ORDOVICIAN	AMABEL	GOAT ISLAND	482.3		
		GASPORT	501.4		
		ROCHESTER	534.6		
		IRONDEQUOIT	0.		
	CATARACT	REYNALES	545.3		
		THOROLD	549.3		
		GRIMSBY	551.2		
		CABOT HEAD	563.4		
		MANITOULIN	587.8		
		WHIRLPOOL	590.2		
	TRENTON	QUEENSTON	591.8		
		MEAFORD-DUNDAS			
		COLLINGWOOD			
		COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 603.0			MOC	7	

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
434.0- 452.0	765 M3/D	5263 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	28.6	HANGING	28.6
244MM	53.6KG	92.5	CEMENTED	
178MM	29.8KG	243.3	CEMENTED	

LOGGING RECORD
LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
243.0- 602.0	LATL	20.0- 602.0	GRNL
20.0- 602.0	CALP	20.0- 602.0	DENL

CORING RECORD

CONDITION	STORED	*ANAL		
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS
D UNIT EQU 379.3 B UNIT EQU 398.2 DE CEV 511.2
SPRINGVALE AT BASE OF BOIS BLANC

FINAL RESULTS
OIL NIL
GAS
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT ACID

CLASS EXTEN FIELD/POOL STATUS GAS AND OIL SHOW -ABD
COUNTY ELGIN TOWNSHIP LAKE ERIE LOT 184 CON T
WELL NAME: CONSUMERS 13751 LAKE ERIE 184-T PERMIT NO.: 5599
OPERATOR CONSUMERS GAS CO. TOTAL DEPTH 615.0M PBTD
DRILLING CO UNDERWATER GAS DEV RIG TYPE ROT ELEV 174.7M+ 6.5M
GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES
LATITUDE 42-16-24 N
LONGITUDE 80-55-19 W SEQ 1
CONFIDENTIAL 1982 05 28
SPUDDED 1981 05 24
COMPLETED 1981 05 28
ABANDONED 1981 05 29
SPL TRAY No 7182 INDEX No 1131

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 102.0					
LAKE / GROUND LEVEL			6.5	174.7	
DRIFT / LAKE BOTTOM			28.6		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	83.8		
		MARCELLUS	162.6		
	DUNDEE		197.6		
	DETROIT RIVER	LUCAS	214.5		
		AMHERSTBURG	238.2		
		BOIS BLANC	263.3		
SILURIAN	BASS ISLANDS		276.8		
	G UNIT	SHALE	293.3		
	F UNIT	SHALE	337.7		
	E UNIT	CARB	345.6		
	D UNIT	SALT	369.2		
	C UNIT	SHALE	0.		
		MARKER	406.3		
	B UNIT	SALT	415.0		
		ANHY	0.		
		CARB	428.6		
	A-2 UNIT	SALT	435.0		
		ANHY	0.		
	A-1 UNIT	CARB	447.8		
		EVAP	449.5		
	GUELPH		0.		
	ERAMOSA		454.3		
ORDOVICIAN	AMABEL	GOAT ISLAND	495.2		
		GASPORT	511.2		
		ROCHESTER	545.5		
		IRONDEQUOIT	0.		
	CATARACT	REYNALES	557.6		
		THOROLD	561.4		
		GRIMSBY	563.4		
		CABOT HEAD	574.5		
		MANITOULIN	599.8		
		WHIRLPOOL	604.0		
	TRENTON	QUEENSTON	605.1		
		MEAFORD-DUNDAS			
		COLLINGWOOD			
		COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 615.0			MOC	7	

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
566.0- 576.0	137 M3/D	5460 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
566.0- 576.0		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
453.7-			SALT

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	28.6	HANGING	28.6
244MM	53.6KG	102.0	CEMENTED	
178MM	29.8KG	226.9	CEMENTED	

LOGGING RECORD
LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
230.0- 610.0	LATL	30.0- 614.0	GRNL
30.0- 614.0	DENL	30.0- 614.0	CALP

CORING RECORD

CONDITION	CC1 STORED	769 *ANAL		
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
562.7- 579.1				

REMARKS
D UNIT EQU 401.6 B UNIT EQU 421.0 DE CEV 525.7
SPRINGVALE AT BASE OF BOIS BLANC

FINAL RESULTS
OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT

WELL SUMMARY CARDS LISTED ALPHABETICALLY BY COUNTY & TOWNSHIP

CLASS DEVEL FIELD/POOL STATUS GAS PRODUCER

COUNTY ELGIN TOWNSHIP LAKE ERIE LOT 185 CON A

WELL NAME: CONSUMERS 13778 LAKE ERIE 185-A PERMIT NO.: 5698

OPERATOR CONSUMERS GAS CO.

DRILLING CO UNDERWATER GAS DEV TOTAL DEPTH 616.0M PBTD 602.0M

GEOLOGY BY PETROLEUM RESOURCE RIG TYPE ROT ELEV 174.7M+ 6.5M

CO-ORDINATES

LATITUDE 42-19-07 N

LONGITUDE 80-50-30 W SEQ 1

CONFIDENTIAL 1981 09 13

SPUDDED 1981 08 10

COMPLETED 1981 08 13

ABANDONED

SPL TRAY No 3922 INDEX No 1139

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 99.0					
LAKE / GROUND LEVEL			6.5	174.7	
DRIFT / LAKE BOTTOM			28.4		
DEVONIAN	PRT LAMBTON				
	KETTLE POINT		82.0		
	HAMILTON	MARCELLUS	169.6		
		DUNDEE	203.8		
	DETROIT RIVER	LUCAS	220.9		
		AMHERSTBURG	251.1		
		BOIS BLANC	271.1		
		BASS ISLANDS	297.2		
SILURIAN		G UNIT SHALE	336.5		
		F UNIT SHALE	343.3		
		E UNIT CARB	366.9		
		D UNIT SALT	0.		
		C UNIT SHALE	404.0		
		MARKER	413.8		
		B UNIT SALT	0.		
		ANHY	427.2		
		CARB	433.0		
		A-2 UNIT SALT	0.		
		ANHY	445.1		
		CARB	447.0		
		A-1 UNIT EVAP	0.		
	GUELPH		449.4		
	ERAMOSA				
	AMABEL	GOAT ISLAND	471.0		
		GASPORT	483.3		
		ROCHESTER	546.8		
		IRONDEQUOIT	558.6		
	CATARACT	REYNALES	0.		
		THOROLD	562.8		
		GRIMSBY	564.0		
		CABOT HEAD	575.6		
		MANITOULIN	0.		
		WHIRLPOOL	604.5		
ORDOVICIAN		QUEENSTON	606.1		
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 612.0 MQC 6

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
165.0- 560.5- 576.0	SHOW 5208 M3/D	5607 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	28.4	HANGING	28.4
244MM	53.6KG	96.5	CEMENTED	
178MM	29.8KG	250.7	CEMENTED	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
30.0- 615.0	CNFD	260.0- 615.0	LATL
550.0- 602.5	CMPL		

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 399.0 B UNIT EQU 419.4 DE CEV 520.6

CRITICAL MISSING SAMPLES

FINAL RESULTS

OIL NIL

GAS 5208 M3/D

PRESSURE 5607 KPA

PRODUCING INTVL (m) 566.4- 567.3, 569.0- 570.3, 573.0- 574.0

PERFORATED YES OPEN HOLE

FORMATION(S) GRIMSBY

1 DST(S) ON FILE TREATMENT

CLASS NFW FIELD/POOL STATUS GAS SHOW -ABD

COUNTY ELGIN TOWNSHIP LAKE ERIE LOT 185 CON B

WELL NAME: CONSUMERS 13766 LAKE ERIE 185-B PERMIT NO.: 5675

OPERATOR CONSUMERS GAS CO.

DRILLING CO UNDERWATER GAS DEV TOTAL DEPTH 613.0M PBTD

GEOLOGY BY PETROLEUM RESOURCE RIG TYPE ROT ELEV 174.7M+ 6.4M

CO-ORDINATES

LATITUDE 42-19-38 N

LONGITUDE 80-51-41 W SEQ 1

CONFIDENTIAL 1982 07 06

SPUDDED 1981 07 03

COMPLETED 1981 07 06

ABANDONED 1981 07 06

SPL TRAY No 3177 INDEX No 941

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 99.0					
LAKE / GROUND LEVEL			6.4	174.7	
DRIFT / LAKE BOTTOM			27.9		
DEVONIAN	PRT LAMBTON		0.		
	KETTLE POINT		80.9		
	HAMILTON	MARCELLUS	166.5		
		DUNDEE	199.6		
	DETROIT RIVER	LUCAS	217.6		
		AMHERSTBURG	239.6		
		BOIS BLANC	261.5		
		BASS ISLANDS	272.6		
SILURIAN		G UNIT SHALE	288.2		
		F UNIT SHALE	329.2		
		E UNIT CARB	337.0		
		D UNIT SALT	362.5		
		C UNIT SHALE	0.		
		MARKER	400.8		
		B UNIT SALT	409.0		
		ANHY	0.		
		CARB	423.0		
		A-2 UNIT SALT	428.3		
		ANHY	0.		
		CARB	440.8		
		A-1 UNIT EVAP	442.7		
	GUELPH		0.		
	ERAMOSA		445.2		
	AMABEL	GOAT ISLAND	491.4		
		GASPORT	511.4		
		ROCHESTER	544.4		
		IRONDEQUOIT	0.		
	CATARACT	REYNALES	557.0		
		THOROLD	561.3		
		GRIMSBY	565.1		
		CABOT HEAD	574.2		
		MANITOULIN	600.2		
		WHIRLPOOL	602.9		
ORDOVICIAN		QUEENSTON	604.1		
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 613.0 MQC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
559.0- 572.5	586 M3/D	5292 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	28.8	HANGING	28.8
244MM	53.6KG	96.3	CEMENTED	
178MM	29.8KG	247.7	CEMENTED	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
30.0- 612.0	GRNL	30.0- 612.0	DENL
30.0- 612.0	CALP	250.0- 612.0	LATL

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 395.3 B UNIT EQU 415.1 DE CEV 522.5

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS DRY HOLE -ABD
COUNTY ELGIN TOWNSHIP LAKE ERIE LOT 185 CON M
WELL NAME: CONSUMERS 13750 LAKE ERIE 185-M PERMIT NO.: 5601
OPERATOR CONSUMERS GAS CO. TOTAL DEPTH 633.0M PBTD
DRILLING CO UNDERWATER GAS DEV RIG TYPE ROT ELEV 174.7M+ 6.5M
GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES
LATITUDE 42-17-36 N
LONGITUDE 80-52-58 W SEQ 1
CONFIDENTIAL 1981 07 13
SPUDDED 1981 06 09
COMPLETED 1981 06 13
ABANDONED 1981 06 14
SPL TRAY No 7196 INDEX No 1133

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 99.0					
LAKE / GROUND LEVEL			6.5	174.7	
DRIFT / LAKE BOTTOM			28.5		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT	86.3		
		MARCELLUS	182.6		
		DUNDEE	216.2		
	DETROIT RIVER	LUCAS	234.0		
		AMHERSTBURG	250.5		
		BOIS BLANC	263.5		
		BASS ISLANDS	281.6		
SILURIAN		G UNIT SHALE	306.2		
		F UNIT SHALE	353.0		
		E UNIT CARB	360.0		
		D UNIT SALT	382.9		
		C UNIT SHALE	0.		
		MARKER	420.6		
		B UNIT SALT	429.5		
		ANHY	0.		
		CARB	442.7		
		A-2 UNIT SALT	448.6		
		ANHY	0.		
		CARB	460.4		
		A-1 UNIT EVAP	462.3		
	GUELPH		0.		
	ERAMOSA		466.8		
	GOAT ISLAND				
	GASPORT				
	AMABEL	ROCHESTER	564.0		
		IRONDEQUOIT	576.8		
		REYNALES	579.6		
		THOROLD	582.5		
	CATARACT	GRIMSBY	584.5		
		CABOT HEAD	593.4		
		MANITOULIN	0.		
		WHIRLPOOL	622.8		
ORDOVICIAN	QUEENSTON		624.4		
	MEAFORD-DUNDAS				
	COLLINGWOOD				
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 633.0 MQC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
174.0-	SHOW	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	28.4	HANGING	28.4
244MM	53.6KG	96.5	CEMENTED	
178MM	29.8KG	241.7	CEMENTED	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
247.0- 632.5	LATL	25.0- 632.5	CNFD

CORING RECORD

CONDITION CCI STORED 771 *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
580.0- 593.0	13.0*		

REMARKS

FOSSIL NIL 0. D UNIT EQU 415.6 B UNIT EQU 435.2 DE CEW 542.0

LOG AND SAMPLES DEPTHS DISAGREE BY A CONSTANT FACTOR

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD POOL STATUS GAS PRODUCER
COUNTY ELGIN TOWNSHIP LAKE ERIE LOT 186 CON H
WELL NAME: CONSUMERS 13749 LAKE ERIE 186-H PERMIT NO.: 5596
OPERATOR CONSUMERS GAS CO. TOTAL DEPTH 620.0M PBTD 615.0M
DRILLING CO UNDERWATER GAS DEV RIG TYPE ROT ELEV 174.7M+ 6.4M
GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES
LATITUDE 42-18-14 N
LONGITUDE 80-47-38 W SEQ 1
CONFIDENTIAL 1981 06 22
SPUDDED 1981 05 16
COMPLETED 1981 05 22
ABANDONED
SPL TRAY No 7180 INDEX No 1130

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 105.0					
LAKE / GROUND LEVEL				174.7	
DRIFT / LAKE BOTTOM			28.1		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	86.1		
		MARCELLUS	174.1		
		DUNDEE	214.4		
	DETROIT RIVER	LUCAS	225.3		
		AMHERSTBURG	248.4		
		BOIS BLANC	269.6		
		BASS ISLANDS	284.3		
SILURIAN		G UNIT SHALE	301.4		
		F UNIT SHALE	340.3		
		E UNIT CARB	348.0		
		D UNIT SALT	371.6		
		C UNIT SHALE	0.		
		MARKER	410.0		
		B UNIT SALT	419.6		
		ANHY	0.		
		CARB	433.2		
		A-2 UNIT SALT	439.0		
		ANHY	0.		
		CARB	451.1		
		A-1 UNIT EVAP	452.7		
	GUELPH		0.		
	ERAMOSA		456.6		
	AMABEL	GOAT ISLAND	501.4		
		GASPORT	513.6		
		ROCHESTER	550.7		
		IRONDEQUOIT	0.		
		REYNALES	563.2		
		THOROLD	568.0		
	CATARACT	GRIMSBY	571.5		
		CABOT HEAD	583.0		
		MANITOULIN	607.5		
		WHIRLPOOL	612.0		
ORDOVICIAN	QUEENSTON		612.6		
	MEAFORD-DUNDAS				
	COLLINGWOOD				
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 621.0 MQC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
545.5-	SHOW	
573.8- 578.5	312 M3/D	4388 KPA
575.0- 585.0	17473 M3/D	5277 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
460.0- 527.5			SULPHUR
1190.0-1192.0	15.0		

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	28.1	HANGING	28.1
244MM	53.6KG	99.1	CEMENTED	
178MM	29.8KG	240.2	CEMENTED	
114MM	14.4KG	618.2	CEMENTED	
60MM	7.9KG	571.6	HANGING	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
35.0 - 615.0	CNFD	240.0 - 615.5	LATL

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
568.0- 586.3	17.3*		

REMARKS

D UNIT EQU 404.3 B UNIT EQU 425.6 DE CEW 527.4

SPRINGVALE AT BASE OF BOIS BLANC

FINAL RESULTS

OIL NIL
GAS 17473 M3/D
PRESSURE 5277 KPA
PRODUCING INTVL (m) 576.8- 577.3
578.5- 579.5
PERFORATED YES OPEN HOLE
FORMATION(S) GRIMSBY

2 DST(S) ON FILE TREATMENT

WELL SUMMARY CARDS LISTED ALPHABETICALLY BY COUNTY & TOWNSHIP

CLASS DEVEL FIELD/POOL STATUS GAS SHOW

COUNTY ELGIN TOWNSHIP LAKE ERIE LOT 186 CON 1

WELL NAME: CONSUMERS 13748 LAKE ERIE 186-I PERMIT NO.: 5595

OPERATOR CONSUMERS GAS CO.

DRILLING CO UNDERWATER GAS DEV

GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 626.0M PBTD

RIG TYPE ROT ELEV 174.7M+ 6.4M

CO-ORDINATES

LATITUDE 42-18-10 N

LONGITUDE 80-46-33 W SEQ 1

CONFIDENTIAL 1981 07 23

SPUDDED 1981 06 20

COMPLETED 1981 06 23

ABANDONED

SPL TRAY No 3173 INDEX No 1135

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 105.0					
	LAKE / GROUND LEVEL		6.4	174.7	
	DRIFT / LAKE BOTTOM		27.5		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	82.7		
			175.7		
		MARCELLUS	217.3		
		DUNDEE	227.8		
	DETROIT RIVER	LUCAS	254.2		
		AMHERSTBURG	270.9		
		BOIS BLANC	281.7		
SILURIAN		BASS ISLANDS	299.3		
		Q UNIT SHALE	341.3		
		F UNIT SHALE	349.3		
		E UNIT CARB	373.2		
		D UNIT SALT	0.		
		C UNIT SHALE	413.0		
		MARKER	421.5		
		B UNIT SALT	0.		
		ANHY	434.9		
		CARB	440.1		
		A-2 UNIT SALT	0.		
		ANHY	452.1		
		CARB	453.8		
		A-1 UNIT EVAP	0.		
		GUELPH	456.7		
		ERAMOSA			
	AMABEL	GOAT ISLAND	498.5		
		GASPORT	514.6		
		ROCHESTER	553.1		
		IRONDEQUOIT	0.		
		REYNALES	565.4		
		THOROLD	570.0		
	CATARACT	GRIMSBY	573.5		
		CABOT HEAD	580.3		
		MANITOULIN	608.0		
		WHIRLPOOL	613.2		
ORDOVICIAN		QUEENSTON	615.0		
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 626.0 MOC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
456.4-			SALT

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	28.2	HANGING	28.2
244MM	53.6KG	105.7	CEMENTED	
178MM	29.8KG	257.3	CEMENTED	28.2

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
28.0- 623.2	GRNL	28.0- 623.2	DENL
28.0- 623.2	CALP		

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 406.6 B UNIT EQU 427.3 DE CEN 528.4

SPRINGVALE AT BASE OF BOIS BLANC

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS GAS PRODUCER

COUNTY ELGIN TOWNSHIP LAKE ERIE LOT 186 CON J

WELL NAME: CONSUMERS 13747 LAKE ERIE 186-J PERMIT NO.: 5594

OPERATOR CONSUMERS GAS CO.

DRILLING CO UNDERWATER GAS DEV

GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 609.0M PBTD 602.0M

RIG TYPE ROT ELEV 174.7M+ 7.1M

CO-ORDINATES

LATITUDE 42-18-55 N

LONGITUDE 80-45-09 W SEQ 1

CONFIDENTIAL 1981 07 18

SPUDDED 1981 06 19

COMPLETED 1981 06 18

ABANDONED

SPL TRAY No 7255 INDEX No 1141

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 99.0					
	LAKE / GROUND LEVEL		7.1	174.7	
	DRIFT / LAKE BOTTOM		28.1		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	95.2		
		MARCELLUS	159.0		
		DUNDEE	0.		
	DETROIT RIVER	LUCAS	211.0		
		AMHERSTBURG	242.0		
		BOIS BLANC	261.0		
SILURIAN		BASS ISLANDS	267.0		
		Q UNIT SHALE	286.9		
		F UNIT SHALE	325.0		
		E UNIT CARB	332.0		
		D UNIT SALT	355.0		
		C UNIT SHALE	0.		
		MARKER	391.9		
		B UNIT SALT	399.7		
		ANHY	0.		
		CARB	413.3		
		A-2 UNIT SALT	418.9		
		ANHY	0.		
		CARB	430.9		
		A-1 UNIT EVAP	432.9		
		GUELPH	0.		
		ERAMOSA	434.9		
	AMABEL	GOAT ISLAND	503.0		
		GASPORT	532.0		
		ROCHESTER	535.1		
		IRONDEQUOIT	548.0		
		REYNALES	0.		
		THOROLD	552.2		
	CATARACT	GRIMSBY	555.2		
		CABOT HEAD	568.0		
		MANITOULIN	0.		
		WHIRLPOOL	595.0		
ORDOVICIAN		QUEENSTON	597.5		
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 609.0 MOC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
152.0- 557.0- 565.0	SHOW 33248 M3/D	5785 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
443.0	SHOW	
554.0- 556.0	SHOW	

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	28.1	HANGING	28.1
244MM	53.6KG	96.5	CEMENTED	
178MM	29.8KG	250.3	CEMENTED	
114MM	14.4KG	605.6	CEMENTED	
60MM	7.0KG	554.8	HANGING	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
550.0- 602.0	CMPL	260.0- 607.0	LATL
25.0- 607.0	CNFD		

CORING RECORD

CONDITION CC1 STORED 768 *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
552.0- 570.0	18.0*		

REMARKS

OYER BAY 0. D UNIT EQU 387.2 B UNIT EQU 405.8

FINAL RESULTS

OIL NIL

GAS 33248 M3/D

PRESSURE 5785 KPA

PRODUCING INTVL (m) 561.2- 563.1

PERFORATED YES OPEN HOLE

FORMATION(S) GRIMSBY

1 DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS DRY HOLE -ABD

COUNTY ELGIN TOWNSHIP LAKE ERIE LOT 187 CON 6

WELL NAME: CONSUMERS 13774 LAKE ERIE 187-G PERMIT NO. 5699

OPERATOR CONSUMERS GAS CO. TOTAL DEPTH 620.0M PBTD

DRILLING CO UNDERWATER GAS DEV RIG TYPE ROT ELEV 174.7M+ 6.5M

GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES

LATITUDE 42-16-38 N

LONGITUDE 80-43-58 W SEQ 1

CONFIDENTIAL 1981 09 09

SPUDDED 1981 08 07

COMPLETED 1981 08 09

ABANDONED 1981 08 10

SPL TRAY No 3905 INDEX No 1140

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 105.0					
LAKE / GROUND LEVEL			6.5	174.7	
DRIFT / LAKE BOTTOM			28.0		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	105.1		
		MARCELLUS	173.2		
	DETROIT RIVER	DUNDEE	225.8		
		LUCAS	240.5		
		AMHERSTBURG	268.0		
		BOIS BLANC	283.1		
SILURIAN		BASS ISLANDS	303.4		
		G UNIT EMALE	342.0		
		F UNIT EMALE	349.2		
		E UNIT CARB	373.0		
		D UNIT SALT	0.		
		C UNIT EMALE	409.2		
		MARKER	416.4		
		B UNIT SALT	0.		
		ANHY	430.1		
		CARB	436.4		
		A-2 UNIT SALT	0.		
		ANHY	448.8		
		CARB	450.0		
		A-1 UNIT EVAP	0.		
		GUELPH	453.2		
		ERAMOSA			
	AMABEL	GOAT ISLAND	510.2		
		GASPORT	518.3		
		ROCHESTER	548.3		
		IRONDEQUOIT	0.		
		REYNALES	560.6		
		THOROLD	566.0		
	CATARACT	GRIMSBY	568.1		
		CABOT HEAD	579.9		
		MANITOULIN	603.1		
		WHIRLPOOL	609.0		
ORDOVICIAN		QUEENSTON	610.0		
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 620.0 MOC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	28.3	HANGING	28.3
244MM	53.6KG	105.7	CEMENTED	
178MM	29.8KG	246.7	CEMENTED	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
28.0- 614.0	GRNL	249.0- 618.0	DENL

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 404.2 B UNIT EQU 422.3 DE CEV 524.4

SPRINGVALE AT BASE OF BOIS BLANC

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS GAS PRODUCER

COUNTY ELGIN TOWNSHIP LAKE ERIE LOT 187 CON 6

WELL NAME: CONSUMERS 13773 LAKE ERIE 187-G PERMIT NO. 5700

OPERATOR CONSUMERS GAS CO. TOTAL DEPTH 620.0M PBTD 613.7M

DRILLING CO UNDERWATER GAS DEV RIG TYPE ROT ELEV 174.7M+ 6.4M

GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES

LATITUDE 42-17-52 N

LONGITUDE 80-44-06 W SEQ 1

CONFIDENTIAL 1981 09 05

SPUDDED 1981 08 02

COMPLETED 1981 08 05

ABANDONED

SPL TRAY No 4134 INDEX No 1138

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 105.0					
LAKE / GROUND LEVEL			6.8	174.7	
DRIFT / LAKE BOTTOM			28.1		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	86.7		
		MARCELLUS	184.2		
	DETROIT RIVER	DUNDEE	224.0		
		LUCAS	235.9		
		AMHERSTBURG	252.0		
		BOIS BLANC	278.9		
SILURIAN		BASS ISLANDS	292.0		
		G UNIT EMALE	311.3		
		F UNIT EMALE	349.5		
		E UNIT CARB	356.6		
		D UNIT SALT	380.7		
		C UNIT EMALE	0.		
		MARKER	417.7		
		B UNIT SALT	425.2		
		ANHY	0.		
		CARB	439.0		
		A-2 UNIT SALT	445.2		
		ANHY	0.		
		CARB	456.9		
		A-1 UNIT EVAP	458.3		
		GUELPH	0.		
		ERAMOSA	461.9		
	AMABEL	GOAT ISLAND	497.7		
		GASPORT	516.3		
		ROCHESTER	554.3		
		IRONDEQUOIT	0.		
		REYNALES	566.8		
		THOROLD	571.0		
	CATARACT	GRIMSBY	574.4		
		CABOT HEAD	585.5		
		MANITOULIN	610.4		
		WHIRLPOOL	617.0		
ORDOVICIAN		QUEENSTON	617.6		
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 627.0 MOC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
570.0- 584.0	26989 M3/D	5773 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	28.3	HANGING	28.3
244MM	53.6KG	100.6	CEMENTED	
178MM	29.8KG	243.4	CEMENTED	
114MM	14.4KG	625.0	CEMENTED	
60MM	7.0KG	567.6	HANGING	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
30.0- 627.5	GRNL	30.0- 627.5	DENL
30.0- 627.5	CALP	48.0- 627.0	LATL
550.0- 612.0	CMPL		

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 413.0 B UNIT EQU 430.7 DE CEV 529.7

SPRINGVALE AT BASE OF BOIS BLANC

FINAL RESULTS

OIL NIL

GAS 26989 M3/D

PRESSURE 5773 KPA

PRODUCING INTVL (m) 570.0- 579.2
581.6- 583.0

PERFORATED YES OPEN HOLE

FORMATION(S) GRIMSBY

DST(S) ON FILE TREATMENT

WELL SUMMARY CARDS LISTED ALPHABETICALLY BY COUNTY & TOWNSHIP

CLASS NFW FIELD POOL STATUS LOST HOLE -ABD

COUNTY ELGIN TOWNSHIP YARMOUTH LOT 16 CON II

WELL NAME CONSUMERS 33206 YARMOUTH 6-16-II

OPERATOR CONSUMERS GAS CO.

DRILLING CO ROSE & MURRAY

GEOLOGY BY

PERMIT NO. 5528

TOTAL DEPTH 87.0M PBTD

RIG TYPE CAB ELEV 219.2M+ 1.5M

CO-ORDINATES 684.3M N; 125.0M E

LATITUDE 42-40-17 N

LONGITUDE 81-07-01 W SEQ 1

CONFIDENTIAL 1981 11 26

SPUDDED 1980 11 21

COMPLETED 1980 11 26

ABANDONED 1980 12 01

SPL TRAY No INDEX No

GEOLOGICAL CONTACTS		TOP m	ELEV m	THICK m
SAMPLES START AT m				
LAKE / GROUND LEVEL			219.2	
DRIFT / LAKE BOTTOM		1.5		
DEVONIAN	PRT LAMBTON			
	HAMILTON — KETTLE POINT			
	HAMILTON — MARCELLUS			
	DUNDEE			
	DETROIT RIVER — LUCAS			
	DETROIT RIVER — AMHERSTBURG			
	BOIS BLANC			
SILURIAN	BASS ISLANDS			
	G UNIT SHALE			
	F UNIT SHALE			
	E UNIT CARB			
	D UNIT SALT			
	C UNIT SHALE			
	MARKER			
	B UNIT SALT			
	B UNIT ANHY			
	B UNIT CARB			
	A-2 UNIT SALT			
	A-2 UNIT ANHY			
	A-2 UNIT CARB			
	A-1 UNIT EVAP			
	GUELPH			
	ERAMOSA			
	AMABEL — GOAT ISLAND			
	AMABEL — GASPORT			
	AMABEL — ROCHESTER			
	AMABEL — IRONDEQUOIT			
	REYNALES			
	THOROLD			
	CATARACT — GRIMSBY			
	CATARACT — CABOT HEAD			
	CATARACT — MANITOULIN			
	CATARACT — WHIRLPOOL			
ORDOVICIAN	QUEENSTON			
	MEAFORD DUNDAS			
	COLLINGWOOD			
	TRENTON — COBOURG			
	TRENTON — VERULAM			
	TRENTON — KIRKFIELD			
	BLACK RIVER — COBOCONK			
	BLACK RIVER — GULL RIVER			
	BLACK RIVER — SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				

TOTAL DEPTH SAMPLES m MOC

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	87.0	CASING SHOE	79

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION STORED *ANA

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

NO SAMPLES
NO LOGS

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE

DST(S) ON FILE TREATMENT FORMATION(S)

CLASS NFW FIELD POOL STATUS DRY HOLE -ABD

COUNTY ELGIN TOWNSHIP YARMOUTH LOT 16 CON II

WELL NAME CONSUMER 33206A YARMOUTH 16-II

OPERATOR CONSUMERS GAS CO.

DRILLING CO MURRAY ROSE DRILLING

GEOLOGY BY PETROLEUM RESOURCE

PERMIT NO. 5528A

TOTAL DEPTH 429.7 PBTD

RIG TYPE CAB ELEV 219.2M : + 1.5M

CO-ORDINATES 684.3M N ; 119.8M E

LATITUDE 42-49-47 N

LONGITUDE 81-07-01 W SEQ 1

CONFIDENTIAL 1982 01 13

SPUDDED 1981 12 07

COMPLETED 1981 01 13

ABANDONED 1981 01 16

SPL TRAY No 6653 INDEX No 425

GEOLOGICAL CONTACTS		TOP m	ELEV m	THICK m
SAMPLES START AT 93.0 m				
LAKE GROUND LEVEL				
DRIFT / LAKE BOTTOM		1.5		
DEVONIAN	PRT LAMBTON	0.		
	HAMILTON — KETTLE POINT	0.		
	HAMILTON — MARCELLUS	87.5		
	DUNDEE	118.5		
	DETROIT RIVER — LUCAS	157.0		
	DETROIT RIVER — AMHERSTBURG	170.5		
	BOIS BLANC	216.0		
SILURIAN	BASS ISLANDS	235.0		
	G UNIT SHALE	253.5		
	F UNIT SHALE	260.5		
	E UNIT CARB	291.1		
	D UNIT SALT	0.		
	C UNIT SHALE	324.2		
	MARKER	337.5		
	B UNIT SALT	0.		
	B UNIT ANHY	347.5		
	B UNIT CARB	348.5		
	A-2 UNIT SALT	0.		
	A-2 UNIT ANHY	365.8		
	A-1 UNIT CARB	369.8		
	A-1 UNIT EVAP			
	GUELPH	382.2		
	ERAMOSA	0.		
	AMABEL — GOAT ISLAND	389.3		
	AMABEL — GASPORT			
	AMABEL — ROCHESTER			
	AMABEL — IRONDEQUOIT			
	REYNALES			
	THOROLD			
	CATARACT — GRIMSBY			
	CATARACT — CABOT HEAD			
	CATARACT — MANITOULIN			
	CATARACT — WHIRLPOOL			
ORDOVICIAN	QUEENSTON			
	MEAFORD DUNDAS			
	COLLINGWOOD			
	TRENTON — COBOURG			
	TRENTON — VERULAM			
	TRENTON — KIRKFIELD			
	BLACK RIVER — COBOCONK			
	BLACK RIVER — GULL RIVER			
	BLACK RIVER — SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				

TOTAL DEPTH SAMPLES 425.0 MOC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
188.0 -			

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	87.4	CASING SHOE	87.4
219MM	35.7KG	92.3	CEMENTED	74.8
178MM	29.8KG	262.9	CEMENTED	188.0

LOGGING RECORD

LOGGING CO GREAT GUNS

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1 - 429.7	GRNL	264.8 - 428.3	DENL

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

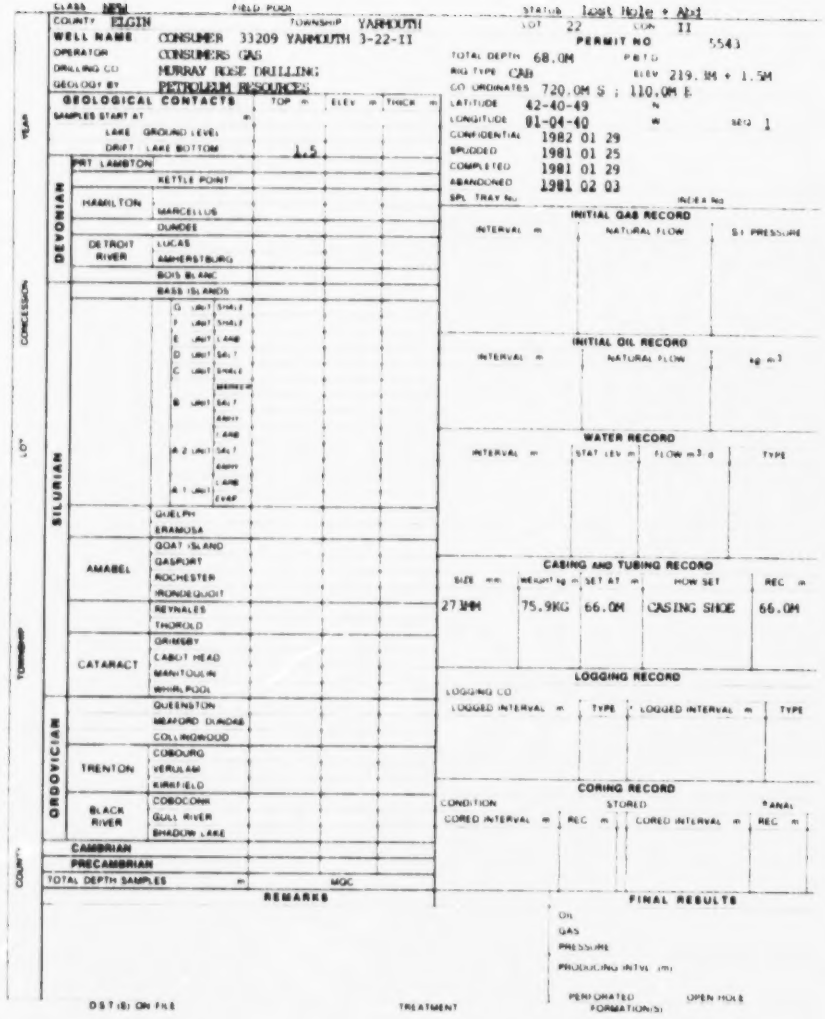
D UNIT EQU 319.1 B UNIT EQU 339.9
SPRINGVALE AT BASE OF BOIS BLANC

FINAL RESULTS

OIL
GAS
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE

DST(S) ON FILE TREATMENT FORMATION(S)

TEAR — CONCESSION — LOT — TOWNSHIP — COUNTY



CLASS NEW FIELD POOL STATUS Lost Hole + Abd
COUNTY ELGIN TOWNSHIP YARMOUTH LOT 22 CON II
WELL NAME CONSUMER 33209 YARMOUTH 3-22-II PERMIT NO 5543
OPERATOR CONSUMERS GAS TOTAL DEPTH 68.0M PBTD
DRILLING CO MURRAY ROSE DRILLING RIG TYPE CAB ELEV 219.3M + 1.5M
GEOLOGY BY PETROLEUM RESOURCES CO-ORDINATES 720.0M S ; 110.0M E
LATITUDE 42-40-49 N
LONGITUDE 81-04-40 W SEQ 1
CONFIDENTIAL 1982 01 29
SPUDDED 1981 01 25
COMPLETED 1981 01 29
ABANDONED 1981 02 03
SPL TRAY No. INDEX No

GEOLOGICAL CONTACTS — TOP m | ELEV m | THICK m
SAMPLES START AT m
LAKE GROUND LEVEL
DRIFT LAKE BOTTOM 1.5
DEVONIAN: PRT LAMBTON; KETTLE POINT; HAMILTON: MARCELLUS; DUNDEE; DETROIT RIVER: LUCAS, AMHERSTBURG, BOIS BLANC, BASS ISLANDS
SILURIAN: G UNIT SHALE; F UNIT SHALE; E UNIT CARB; D UNIT SALT; C UNIT SHALE, MARKER; B UNIT SALT, ANHY, CARB; A 2 UNIT SALT, ANHY, CARB, EVAP; A 1 UNIT EVAP; GUELPH; ERAMOSA; AMABEL: GOAT ISLAND, GASPORT, ROCHESTER, IRONDEQUOIT; REYNALES; THOROLD; CATARACT: GRIMSBY, CABOT HEAD, MANITOULIN, WHIRLPOOL
ORDOVICIAN: QUEENSTON; MEAFORD DUNDAS; COLLINGWOOD; TRENTON: COBOURG, VERULAM, KIRKFIELD; BLACK RIVER: COBOCONK, GULL RIVER, SHADOW LAKE
CAMBRIAN
PRECAMBRIAN
TOTAL DEPTH SAMPLES m MQC

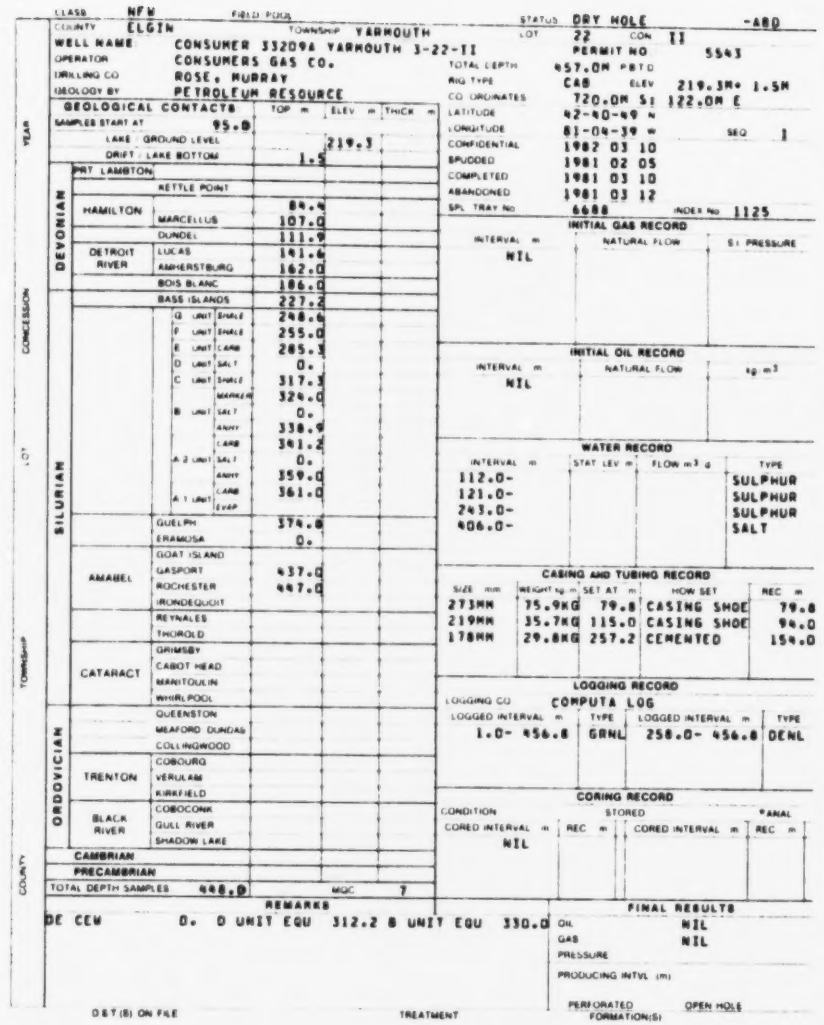
INITIAL GAS RECORD — INTERVAL m | NATURAL FLOW | S.I. PRESSURE
INITIAL OIL RECORD — INTERVAL m | NATURAL FLOW | kg/m³
WATER RECORD — INTERVAL m | STAT LEV m | FLOW m³/d | TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	66.0M	CASING SHOE	66.0M

LOGGING RECORD — LOGGING CO
LOGGED INTERVAL m | TYPE | LOGGED INTERVAL m | TYPE
CORING RECORD — CONDITION | STORED | *ANAL
CORED INTERVAL m | REC m | CORED INTERVAL m | REC m

REMARKS
FINAL RESULTS — OIL; GAS; PRESSURE; PRODUCING INTVL (m); PERFORATED FORMATION(S); OPEN HOLE
DST(S) ON FILE TREATMENT



CLASS NFW FIELD POOL STATUS DRY HOLE -ABD
COUNTY ELGIN TOWNSHIP YARMOUTH LOT 22 CON II
WELL NAME CONSUMER 332094 YARMOUTH 3-22-II PERMIT NO 5543
OPERATOR CONSUMERS GAS CO. TOTAL DEPTH 457.0M PBTD
DRILLING CO ROSE, MURRAY RIG TYPE CAB ELEV 219.3M+ 1.5M
GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES 720.0M S; 122.0M E
LATITUDE 42-40-49 N
LONGITUDE 81-04-39 W SEQ 1
CONFIDENTIAL 1982 03 10
SPUDDED 1981 02 05
COMPLETED 1981 03 10
ABANDONED 1981 03 12
SPL TRAY No 6688 INDEX No 1125

GEOLOGICAL CONTACTS — TOP m | ELEV m | THICK m
SAMPLES START AT 95.0
LAKE GROUND LEVEL 219.3
DRIFT LAKE BOTTOM 1.5
DEVONIAN: PRT LAMBTON; KETTLE POINT; HAMILTON: MARCELLUS 84.4; DUNDEE 107.0; DETROIT RIVER: LUCAS 111.9; AMHERSTBURG 141.6; BOIS BLANC 162.0; BASS ISLANDS 186.0
SILURIAN: G UNIT SHALE 227.2; F UNIT SHALE 248.6; E UNIT CARB 255.0; D UNIT SALT 285.4; C UNIT SHALE 0.; MARKER 317.3; B UNIT SALT 324.0; ANHY 0.; CARB 338.9; A 2 UNIT SALT 341.2; ANHY 0.; CARB 359.0; A 1 UNIT EVAP 361.0; GUELPH 374.0; ERAMOSA 0.; AMABEL: GOAT ISLAND; GASPORT 437.0; ROCHESTER 447.0; IRONDEQUOIT; REYNALES; THOROLD; CATARACT: GRIMSBY; CABOT HEAD; MANITOULIN; WHIRLPOOL
ORDOVICIAN: QUEENSTON; MEAFORD DUNDAS; COLLINGWOOD; TRENTON: COBOURG, VERULAM, KIRKFIELD; BLACK RIVER: COBOCONK, GULL RIVER, SHADOW LAKE
CAMBRIAN
PRECAMBRIAN
TOTAL DEPTH SAMPLES 448.0 MQC 7

INITIAL GAS RECORD — INTERVAL m: NIL | NATURAL FLOW | S.I. PRESSURE
INITIAL OIL RECORD — INTERVAL m: NIL | NATURAL FLOW | kg/m³
WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
112.0-			SULPHUR
121.0-			SULPHUR
243.0-			SULPHUR
406.0-			SALT

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	79.8	CASING SHOE	79.8
219MM	35.7KG	115.0	CASING SHOE	94.0
178MM	29.8KG	257.2	CEMENTED	154.0

LOGGING RECORD — LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 456.8	GRNL	258.0- 456.8	DENL

CORING RECORD — CONDITION | STORED | *ANAL
CORED INTERVAL m: NIL | REC m | CORED INTERVAL m | REC m

REMARKS
DE CEW 0. D UNIT EQU 312.2 B UNIT EQU 330.0
FINAL RESULTS — OIL NIL; GAS NIL; PRESSURE; PRODUCING INTVL (m); PERFORATED FORMATION(S); OPEN HOLE
DST(S) ON FILE TREATMENT

WELL SUMMARY CARDS LISTED ALPHABETICALLY BY COUNTY & TOWNSHIP

CLASS DEVEL FIELD POOL STATUS BRINE WELL

COUNTY ESSEX TOWNSHIP ANDERDON LOT 34 CON I

WELL NAME ALLIED CHEM F-6 ANDERDON 34-I PERMIT NO 5655

OPERATOR ALLIED CHEM. CAN.

DRILLING CO STEVENSON C.

GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 369.7M PBTD

RIG TYPE CAB ELEV 176.1M+ 1.1M

CO-ORDINATES 174.3M N; 255.6M W

LATITUDE 42-10-19 N

LONGITUDE 83-05-14 W SEC 1

CONFIDENTIAL 1982 01 09

SPUDDED 1981 10 30

COMPLETED 1981 12 09

ABANDONED

SPL TRAY No 6726 INDEX No 322

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT			16.8		
LAKE GROUND LEVEL				176.1	
DRIFT LAKE BOTTOM			1.1		
DEVONIAN	PRT LAMBTON				
		KETTLE POINT			
	HAMILTON	MARCELLUS			
		DUNDEE			
	DETROIT RIVER	LUCAS	14.6		
		AMHERSTBURG	37.8		
		BOIS BLANC	67.1		
		BASS ISLANDS	131.1		
SILURIAN		G UNIT SHALE	189.6		
		F UNIT SHALE	196.6		
		E UNIT CARB	229.8		
		D UNIT SALT	0.		
		C UNIT SHALE	273.7		
		MARKER	294.9		
		B UNIT SALT	308.9		
		ANHY			
		CARB			
		A-2 UNIT SALT			
		ANHY			
		CARB			
		A-1 UNIT SALT			
		ANHY			
		CARB			
		EVAP			
		GUELPH			
		ERAMOSA			
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 369.9 MDC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT. LEV. m	FLOW m³/d	TYPE
19.8-	2.1		SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	60.3KG	17.1	CASING SHOE	
178MM	29.8KG	350.5	CASING SHOE	
114MM	16.9KG	361.5	PACKER	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 369.7	GRNL		

CORING RECORD

CONDITION	STORED		PANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 266.7

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATION(S) OPEN HOLE YES

DST(S) ON FILE TREATMENT

CLASS OTHER FIELD POOL STATUS BRINE WELL

COUNTY ESSEX TOWNSHIP ANDERDON LOT 35 CON I

WELL NAME ALLIED CHEM G-4 ANDERDON 35-I PERMIT NO 5654

OPERATOR ALLIED CHEM. CAN.

DRILLING CO STEVESON DRILLING

GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 371.9M PBTD

RIG TYPE CAB ELEV 176.0M+ 1.2M

CO-ORDINATES 128.0M N; 438.2M W

LATITUDE 42-10-26 N

LONGITUDE 83-05-23 W SEC 1

CONFIDENTIAL 1981 11 26

SPUDDED 1981 08 05

COMPLETED 1981 10 26

ABANDONED

SPL TRAY No 2516 INDEX No 319

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT			17.4		
LAKE GROUND LEVEL				176.0	
DRIFT LAKE BOTTOM			1.2		
DEVONIAN	PRT LAMBTON				
		KETTLE POINT			
	HAMILTON	MARCELLUS			
		DUNDEE	14.6		
	DETROIT RIVER	LUCAS	70.1		
		AMHERSTBURG	95.1		
		BOIS BLANC	120.7		
		BASS ISLANDS	134.4		
SILURIAN		G UNIT SHALE	192.5		
		F UNIT SHALE	198.3		
		E UNIT CARB	218.2		
		D UNIT SALT	0.		
		C UNIT SHALE	273.7		
		MARKER	293.9		
		B UNIT SALT	306.0		
		ANHY	364.1		
		CARB	368.9		
		A-2 UNIT SALT			
		ANHY			
		CARB			
		A-1 UNIT SALT			
		ANHY			
		CARB			
		EVAP			
		GUELPH			
		ERAMOSA			
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 371.6 MDC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT. LEV. m	FLOW m³/d	TYPE
17.4-	2.1		

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	60.3KG	17.4	CASING SHOE	
178MM	29.8KG	350.5	CEMENTED	
114MM	16.9KG	361.5	PACKER	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 371.6	GRNL	350.2- 371.6	DENL

CORING RECORD

CONDITION	STORED		PANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 268.2

COLUMBUS FACIES PRESENT IN LUCAS

SYLVANIA FACIES PRESENT

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATION(S) OPEN HOLE YES

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS DRY HOLE -ABD
COUNTY ESSEX TOWNSHIP MALDEN LOT 41 CON V
WELL NAME COLONIAL MALDEN 4-41-V PERMIT NO 5653
OPERATOR COLONIAL PETROLEUM TOTAL DEPTH 746.0M PBTD
DRILLING CO NEWPORT WELLINGTON RIG TYPE CAB ELEV 183.7M+ 1.3M
GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES 424.8M S; 945.0M W
LATITUDE 42-05-41 N
LONGITUDE 83-03-25 W SEQ 1
CONFIDENTIAL 1981 12 26
SPUDDED 1981 07 08
COMPLETED 1981 11 26
ABANDONED 1981 12 12
SPL TRAY No 7261 INDEX No 321

GEOLOGICAL CONTACTS

			TOP m	ELEV m	THICK m
SAMPLES START AT			18.0		
LAKE / GROUND LEVEL				183.7	
DRIFT / LAKE BOTTOM			1.3		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS			
		DUNDEE			
	DETROIT RIVER	LUCAS	12.6		
		AMHERSTBURG	27.4		
		BOIS BLANC	52.		
		BASS ISLANDS	104.3		
SILURIAN		G UNIT SHALE	154.8		
		F UNIT SHALE	160.6		
		E UNIT CARB	193.7		
		D UNIT SALT	0.		
		C UNIT SHALE	235.6		
		MARKER	249.6		
		B UNIT SALT	263.1		
		ANHY	316.7		
		CARB	318.2		
		A2 UNIT SALT	0.		
		ANHY	342.1		
		CARB	348.8		
		A1 UNIT EVAP	0.		
	GUELPH		358.6		
	ERAMOSA		381.4		
	AMABEL	GOAT ISLAND	0.		
		GASPORT	422.6		
		ROCHESTER	466.2		
		IRONDEQUOIT			
	REYNALES		469.5		
	THOROLD				
	CATARACT	GRIMSBY			
		CABOT HEAD	471.4		
		MANITOULIN	495.1		
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON	514.5		
		MEAFORD DUNDAS	590.2		
		COLLINGWOOD	698.6		
	TRENTON	COBOURG	701.0		
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 746.0 MQC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE
701.0-	SHOW	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg m³
701.0	SHOW	

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
10.0-	12.0		SULPHUR
40.0-	18.0		SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg	SET AT m	HOW SET	REC m
273MM		18.0	CASING SHOE	18.0
178MM		474.0	CEMENTED	437.0

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 745.7	GRNL		

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS
DE CEW G. D UNIT EQU 228.6

FINAL RESULTS
OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED / OPEN HOLE
FORMATION(S)

DST(s) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS LOST HOLE -ABD
COUNTY ESSEX TOWNSHIP SANDWICH WEST LOT 59 CON I
WELL NAME DOME STOR P-6 SANDWICH WEST 59-I PERMIT NO 5525
OPERATOR DOME PETROLEUM LTD TOTAL DEPTH 454.0M PBTD
DRILLING CO CORUNNA PETROLEUMS RIG TYPE ROT ELEV 179.5M+ 5.4M
GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES 122.8M N; 429.8M E
LATITUDE 42-17-11 N
LONGITUDE 83-04-39 W SEQ 1
CONFIDENTIAL 1981 02 14
SPUDDED 1981 01 05
COMPLETED 1981 01 14
ABANDONED 1981 01 22
SPL TRAY No 7210 INDEX No 316

GEOLOGICAL CONTACTS

			TOP m	ELEV m	THICK m
SAMPLES START AT			140.0		
LAKE / GROUND LEVEL				179.5	
DRIFT / LAKE BOTTOM			5.4		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS			
		DUNDEE			
	DETROIT RIVER	LUCAS	35.0		
		AMHERSTBURG	105.4		
		BOIS BLANC	165.4		
		BASS ISLANDS	201.4		
SILURIAN		G UNIT SHALE	259.7		
		F UNIT SHALE	265.7		
		E UNIT CARB	296.0		
		D UNIT SALT	373.0		
		C UNIT SHALE	382.4		
		MARKER	404.8		
		B UNIT SALT	412.6		
		ANHY			
		CARB			
		A2 UNIT SALT			
		ANHY			
		CARB			
		A1 UNIT EVAP			
	GUELPH				
	ERAMOSA				
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
	REYNALES				
	THOROLD				
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 409.0 MQC 6

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg	SET AT m	HOW SET	REC m
508MM	80.0KG	129.6	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 419.0	GRNL	1.0- 419.0	CALP

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS
SYLVANIA FACIES PRESENT
"E" SALT PRESENT
POOR AGREEMENT BETWEEN LOG & SAMPLES

FINAL RESULTS
OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED / OPEN HOLE
FORMATION(S)

D.S.T.S. ON FILE TREATMENT

CLASS OTHER FIELD POOL STATUS PETR FLD STORAGE

COUNTY ESSEX TOWNSHIP SANDWICH W LOT 59 CON I

WELL NAME DOME STORAGE P-8 59-I PERMIT NO 5559

OPERATOR DOME PETROLEUM

DRILLING CO CORUNNA PETROLEUM

GEOLOGY BY PETROLEUM RESOURCES

TOTAL DEPTH 452.7M PBTD

RIG TYPE CAB ELEV 179.0M + 3.5M

CO-ORDINATES 207.2M N; 391.0M W

LATITUDE 42-16-59 N

LONGITUDE 83-04-42 W SEQ 1

CONFIDENTIAL 1982 03 18

SPUDDED 1981 03 03

COMPLETED 1981 03 18

ABANDONED

SPL TRAY No 7170 INDEX No 315

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 140.0					
LAKE GROUND LEVEL					
DRIFT LAKE BOTTOM			3.5		
DEVONIAN	PRT LAMBTON				
	KETTLE POINT				
	HAMILTON	MARCELLUS			
		DUNDEE			
	DETROIT RIVER	LUCAS			
		AMHERSTBURG	150.0		
		BOIS BLANC	182.5		
	BASS ISLANDS		201.5		
SILURIAN		G UNIT SHALE	257.4		
		F UNIT SHALE	262.6		
		E UNIT CARB	295.9		
		D UNIT SALT	366.6		
		C UNIT SHALE	376.4		
		MARKER	398.2		
		B UNIT SALT	407.0		
		ANHY			
		CARB			
		A2 UNIT SALT			
		ANHY			
		CARB			
		A1 UNIT EVAP			
	GUELPH				
	ERAMOSA				
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 454.0 m MOC

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	sg m3

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
508MM	140.0KG	134.0M	CEMENTED	
340MM	81.1KG	419.0M	CEMENTED	
219MM	35.7KG	439.0M	HANGING	
114MM	14.1KG	452.2M	HANGING	

LOGGING RECORD

LOGGING CO COMPUTALOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
25.0 - 405.6	SONIC	1.0 - 419.5	GRNL
9.0 - 419.3	CALP		

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	

REMARKS

D UNIT EQU 0.
SYLVANIA FACIES PRESENT
LOGS INCOMPLETE
"E" SALT PRESENT

DST(S) ON FILE TREATMENT

FINAL RESULTS

OIL
GAS
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

CLASS DEVEL FIELD POOL STATUS DRY HOLE -ABD

COUNTY ESSEX TOWNSHIP TILBURY WEST LOT 6 CON II

WELL NAME H. NUSSEY #2 TILBURY WEST 2-6-II PERMIT NO 5576

OPERATOR GAISWINKLER

DRILLING CO NEWPORT, LORNE T.

GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 356.3M PBTD

RIG TYPE CAB ELEV 187.2M+ .6M

CO-ORDINATES 109.8M S; 109.8M E

LATITUDE 42-10-45 N

LONGITUDE 82-33-43 W SEQ 1

CONFIDENTIAL 1981 09 06

SPUDDED 1981 07 11

COMPLETED 1981 08 06

ABANDONED 1981 09 23

SPL TRAY No 5336 INDEX No 318

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 20.0					
LAKE GROUND LEVEL				187.2	
DRIFT LAKE BOTTOM			.6		
DEVONIAN	PRT LAMBTON		0.		
	KETTLE POINT		0.		
	HAMILTON	MARCELLUS	0.		
		DUNDEE	28.7		
	DETROIT RIVER	LUCAS	62.4		
		AMHERSTBURG	86.3		
		BOIS BLANC	129.2		
	BASS ISLANDS		149.3		
SILURIAN		G UNIT SHALE	199.3		
		F UNIT SHALE	206.7		
		E UNIT LIME	232.9		
		D UNIT SALT	0.		
		C UNIT SHALE	274.9		
		MARKER	299.1		
		B UNIT SALT	0.		
		ANHY	312.7		
		LIME	314.9		
		A2 UNIT SALT	0.		
		ANHY	337.4		
		LIME	340.5		
		A1 UNIT EVAP	0.		
	GUELPH		346.3		
	ERAMOSA				
	AMABEL	GOAT ISLAND	356.0		
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 356.3 MOC ?

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE
35.0-	SHOW	
319.4- 324.0	SHOW	
351.4- 352.6	SHOW	2250 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	sg m3
351.1- 352.6	SHOW	

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
38.1-	15.2		FRESH
48.8- 51.8	15.2		MINERAL

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
219MM	10.9KG	28.4	CASING SHOE	28.4
178MM	9.1KG	221.3	CEMENTED	182.0

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0-1171.0	GRNL		

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

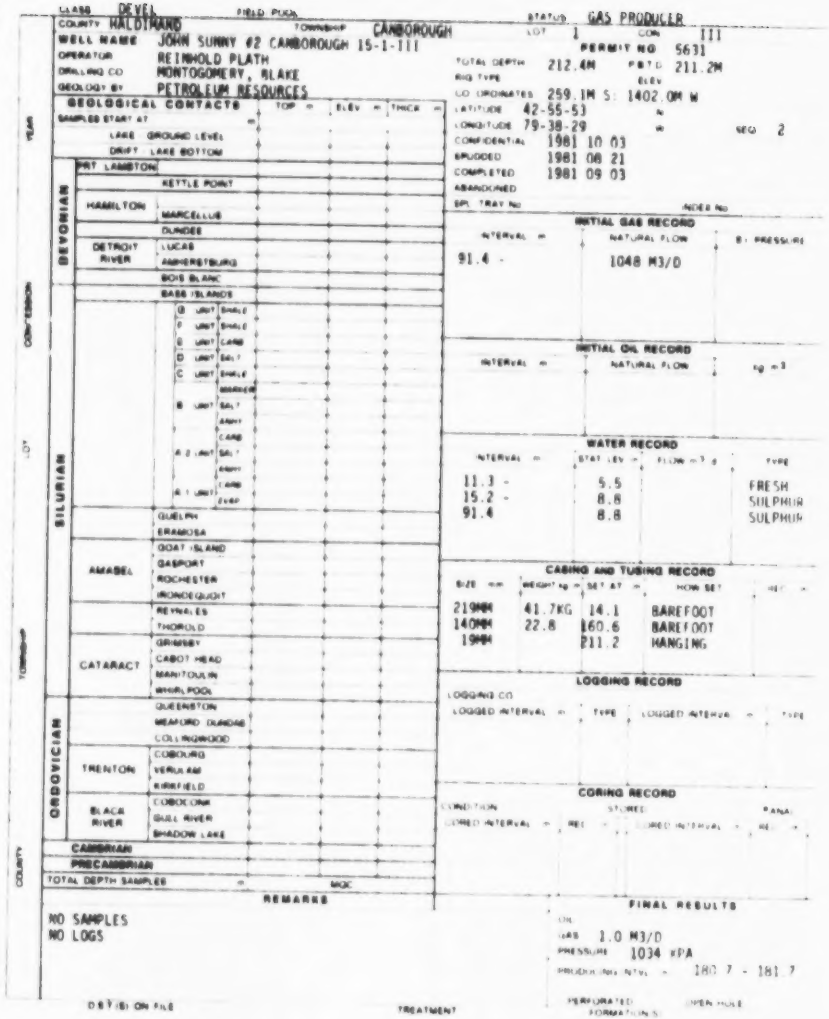
REMARKS

D UNIT EQU 269.4 B UNIT EQU 304.8

DST(S) ON FILE TREATMENT

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)



CLASS DEVEL FIELD POOL STATUS GAS PRODUCER
COUNTY HALDIMAND TOWNSHIP CAYUGA LOT 1 CON III
WELL NAME JOHN SUNNY #2 CAYUGA 15-1-III PERMIT NO 5631
OPERATOR REINHOLD PLATH
DRILLING CO MONTGOMERY, BLAKE
GEOLOGY BY PETROLEUM RESOURCES
TOTAL DEPTH 212.4M PBTD 211.2M
RIG TYPE ELEV
CO-ORDINATES 259.1M S: 1402.0M W
LATITUDE 42-55-53 N
LONGITUDE 79-38-29 W SEQ 2
CONFIDENTIAL 1981 10 03
SPUDDED 1981 08 21
COMPLETED 1981 09 03
ABANDONED
SPL TRAY No INDEX No

GEOLOGICAL CONTACTS — SAMPLES START AT m

		TOP m	ELEV m	THICK m
	LAKE GROUND LEVEL			
	DRIFT LAKE BOTTOM			
DEVONIAN	PRT LAMBTON			
	HAMILTON — KETTLE POINT			
	HAMILTON — MARCELLUS			
	HAMILTON — DUNDEE			
	DETROIT RIVER — LUCAS			
	DETROIT RIVER — AMHERSTBURG			
	DETROIT RIVER — BOIS BLANC			
	DETROIT RIVER — BASS ISLANDS			
SILURIAN	G UNIT SHALE			
	F UNIT SHALE			
	E UNIT CARB			
	D UNIT SALT			
	C UNIT SHALE / ANHY / CARB			
	B UNIT SALT / ANHY / CARB			
	A2 UNIT SALT / ANHY / CARB			
	A1 UNIT EVAP			
	GUELPH			
	ERAMOSA			
	AMABEL — GOAT ISLAND			
	AMABEL — GASPORT			
	AMABEL — ROCHESTER			
	AMABEL — IRONDEQUOIT			
	REYNALES			
	THOROLD			
	CATARACT — GRIMSBY			
	CATARACT — CABOT HEAD			
	CATARACT — MANITOULIN			
	CATARACT — WHIRLPOOL			
ORDOVICIAN	QUEENSTON			
	MEAFORD DUNDAS			
	COLLINGWOOD			
	TRENTON — COBOURG			
	TRENTON — VERULAM			
	TRENTON — BIRRFIELD			
	BLACK RIVER — COBOCONK			
	BLACK RIVER — GULL RIVER			
	BLACK RIVER — SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				

TOTAL DEPTH SAMPLES m MUD

REMARKS
NO SAMPLES
NO LOGS

DST(S) ON FILE TREATMENT

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	B/ PRESSURE
91.4 -	1048 M3/D	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
11.3 -	5.5		FRESH
15.2 -	8.8		SULPHUR
91.4	8.8		SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	41.7KG	14.1	BAREFOOT	
140MM	22.8	160.6	BAREFOOT	
19MM		211.2	HANGING	

LOGGING RECORD

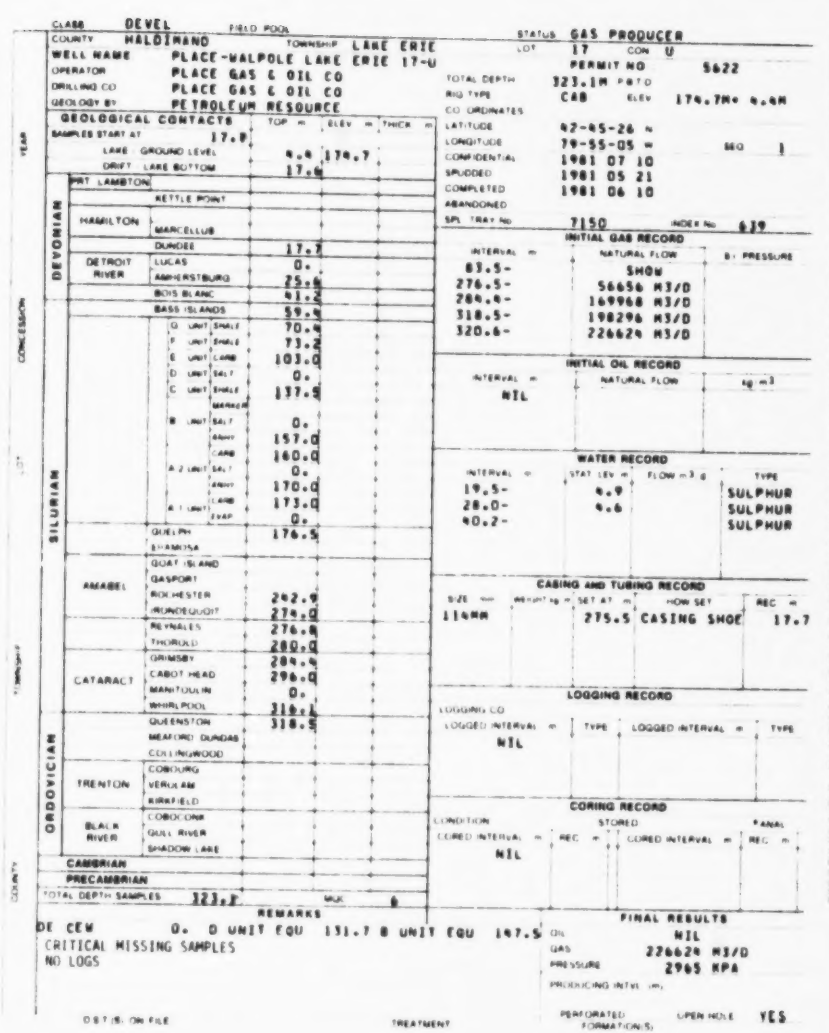
LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION	STORED	PANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

FINAL RESULTS
OIL
GAS 1.0 M3/D
PRESSURE 1034 kPA
PRODUCING INTVL m 180.7 - 181.7
PERFORATED FORMATIONS OPEN HOLE



CLASS DEVEL FIELD POOL STATUS GAS PRODUCER
COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 17 CON U
WELL NAME PLACE-WALPOLE LAKE ERIE 17-U PERMIT NO 5622
OPERATOR PLACE GAS & OIL CO
DRILLING CO PLACE GAS & OIL CO
GEOLOGY BY PETROLEUM RESOURCE
TOTAL DEPTH 323.1M PBTD
RIG TYPE C48 ELEV 174.7M± 4.6M
CO-ORDINATES
LATITUDE 42-45-26 N
LONGITUDE 79-55-05 W SEQ 1
CONFIDENTIAL 1981 07 10
SPUDDED 1981 05 21
COMPLETED 1981 06 10
ABANDONED
SPL TRAY No 7150 INDEX No 639

GEOLOGICAL CONTACTS — SAMPLES START AT 17.0 m

		TOP m	ELEV m	THICK m
	LAKE GROUND LEVEL	4.6	174.7	
	DRIFT LAKE BOTTOM	17.6		
DEVONIAN	PRT LAMBTON			
	HAMILTON — KETTLE POINT			
	HAMILTON — MARCELLUS			
	HAMILTON — DUNDEE	17.7		
	DETROIT RIVER — LUCAS	0.		
	DETROIT RIVER — AMHERSTBURG	25.6		
	DETROIT RIVER — BOIS BLANC	41.2		
	DETROIT RIVER — BASS ISLANDS	59.4		
SILURIAN	G UNIT SHALE	70.4		
	F UNIT SHALE	73.2		
	E UNIT CARB	103.0		
	D UNIT SALT	0.		
	C UNIT SHALE	137.9		
	C UNIT MARKER			
	B UNIT SALT	0.		
	B UNIT ANHY	157.0		
	B UNIT CARB	160.0		
	A2 UNIT SALT	0.		
	A2 UNIT ANHY	170.0		
	A2 UNIT CARB	173.0		
	A1 UNIT EVAP	0.		
	GUELPH	176.5		
	ERAMOSA			
	AMABEL — GOAT ISLAND			
	AMABEL — GASPORT			
	AMABEL — ROCHESTER	262.9		
	AMABEL — IRONDEQUOIT	274.0		
	REYNALES	276.8		
	THOROLD	280.0		
	CATARACT — GRIMSBY	284.4		
	CATARACT — CABOT HEAD	296.0		
	CATARACT — MANITOULIN	0.		
	CATARACT — WHIRLPOOL	316.1		
ORDOVICIAN	QUEENSTON	318.5		
	MEAFORD DUNDAS			
	COLLINGWOOD			
	TRENTON — COBOURG			
	TRENTON — VERULAM			
	TRENTON — BIRRFIELD			
	BLACK RIVER — COBOCONK			
	BLACK RIVER — GULL RIVER			
	BLACK RIVER — SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				

TOTAL DEPTH SAMPLES 323.1 m MUD 6

REMARKS
DE CEW 0. D UNIT EQU 131.7 B UNIT EQU 147.5
CRITICAL MISSING SAMPLES
NO LOGS

DST(S) ON FILE TREATMENT

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	B/ PRESSURE
83.5-	SHOW	
276.5-	56656 M3/D	
284.4-	169968 M3/D	
318.5-	198296 M3/D	
320.6-	226624 M3/D	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
19.5-	4.9		SULPHUR
28.0-	4.6		SULPHUR
40.2-			SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
114MM		275.5	CASING SHOE	17.7

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION	STORED	PANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

FINAL RESULTS
OIL NIL
GAS 226624 M3/D
PRESSURE 2965 kPA
PRODUCING INTVL m
PERFORATED FORMATIONS OPEN HOLE YES

CLASS DEVEL FIELD POOL

COUNTY HALDIMAND TOWNSHIP LAKE ERIE

WELL NAME PLACE-WALP 018 LAKE ERIE 18-W

OPERATOR PLACE GAS & OIL CO

DRILLING CO PLACE GAS & OIL CO

GEOLOGY BY PETROLEUM RESOURCE

STATUS GAS PRODUCER

LOT 18 CON W

PERMIT NO 5679

TOTAL DEPTH 310.9M PBTD 283.5M

RIG TYPE CAB ELEV 179.6M+ 6.3M

CO-ORDINATES

LATITUDE 42-45-51 N

LONGITUDE 79-52-26 W MAG 1

CONFIDENTIAL 1981 08 14

SPUDDED 1981 06 18

COMPLETED 1981 07 14

ABANDONED

SPL TRAY No. 5312 INDEX No. 669

GEOLOGICAL CONTACTS

		TOP m	ELEV m	THICK m
SAMPLES START AT		17.0		
LAKE (GROUND LEVEL)		0.3	179.6	
DRIFT (LAKE BOTTOM)		16.9		
PRT LAMBTON				
	KETTLE POINT			
HAMILTON	MARCELLUS			
	DUNDEE	17.0		
DETROIT RIVER	LUCAS	0.		
	AMHERSTBURG	19.0		
	BOIS BLANC	80.0		
	BASS ISLANDS	86.2		
SILURIAN	G (INT SHALE)	53.9		
	F (INT SHALE)	58.5		
	E (INT SALT)	96.0		
	D (INT SALT)	0.		
	C (INT SHALE)	127.1		
	(MIDDLE)	133.5		
	B (INT SALT)	0.		
	(ANHY)	142.6		
	(AND)	147.1		
	A-2 (INT SALT)	0.		
	(ANHY)	161.0		
	(AND)	164.0		
	A-1 (INT)	165.5		
	(EVAP)			
	GUELPH	168.2		
	ERAMOSA			
AMABEL	GOAT ISLAND	175.6		
	GASPORT	189.9		
	ROCHESTER	203.8		
	IRONDEQUOIT	261.5		
	REYNALES	269.0		
	THOROLD	269.0		
CATARACT	GRIMSBY	272.5		
	CABOT HEAD	282.9		
	MANITOULIN	0.		
	WHIRLPOOL	307.5		
ORDOVICIAN	QUEENSTON	306.6		
	WEAVER DUNDAS			
	COLLINGWOOD			
TRENTON	COBOURG			
	VERULAM			
	KIRKFIELD			
BLACK RIVER	COBOCONK			
	GULL RIVER			
	SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				

TOTAL DEPTH SAMPLES 310.9 MDC 7

REMARKS

D UNIT EQU 121.0 B UNIT EQU 137.2 DE CEN 278.6

NO LOGS

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	B.H. PRESSURE
97.5-	SHOW	
278.0-	218 M3/D	
278.9-	991 M3/D	
280.7-	1104 M3/D	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg m-3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3 d	TYPE
22.6-	6.9		
26.5-			
32.9-			
49.7-			
31.4-			

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
203MM		18.0	OTHER	18.0
178MM		29.6	CEMENTED	17.4
114MM		261.5	CEMENTED	17.1
25MM		280.4	HANGING	16.8

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION	STORED	PANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

FINAL RESULTS

OIL NIL

GAS 765 M3/D

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATIONS

OPEN HOLE YES

DST(S) ON FILE

TREATMENT

CLASS DEVEL FIELD POOL

COUNTY HALDIMAND TOWNSHIP LAKE ERIE

WELL NAME PEMBINA #2 LAKE ERIE 19-H

OPERATOR PEMBINA EXPLORATION CO.

DRILLING CO UNDERWATER GAS DEV

GEOLOGY BY PETROLEUM RESOURCES

STATUS GAS SHOW -ABD

LOT 19 CON H

PERMIT NO 5646

TOTAL DEPTH 306.5m PBTD

RIG TYPE ROT ELEV 174.7M + 6.8M

CO-ORDINATES

LATITUDE 42-48-46 N

LONGITUDE 79-47-46 W MAG 1

CONFIDENTIAL 1981 07 14

SPUDDED 1981 06 12

COMPLETED 1981 06 14

ABANDONED 1981 06 17

SPL TRAY No. 6889 INDEX No. 640

GEOLOGICAL CONTACTS

		TOP m	ELEV m	THICK m
SAMPLES START AT		98.0.		
LAKE (GROUND LEVEL)		6.8		
DRIFT (LAKE BOTTOM)		20.7		
PRT LAMBTON				
	KETTLE POINT			
HAMILTON	MARCELLUS			
	DUNDEE			
DETROIT RIVER	LUCAS			
	AMHERSTBURG	21.7		
	BOIS BLANC			
	BASS ISLANDS			
SILURIAN	G (INT SHALE)			
	F (INT SHALE)			
	E (INT ANH)			
	D (INT SALT)	0.		
	C (INT SHALE)	116.7		
	(MIDDLE)	124.8		
	B (INT SALT)	0.		
	(ANHY)	138.8		
	(AND)	142.8		
	A-2 (INT SALT)	0.		
	(ANHY)	157.3		
	(AND)	158.5		
	A-1 (INT)	0		
	(EVAP)			
	GUELPH	159.2		
	ERAMOSA			
AMABEL	GOAT ISLAND	165.8		
	GASPORT	203.0		
	ROCHESTER	229.4		
	IRONDEQUOIT	246.0		
	REYNALES	247.7		
	THOROLD	250.4		
CATARACT	GRIMSBY	251.3		
	CABOT HEAD	264.3		
	MANITOULIN	0.		
	WHIRLPOOL	287.4		
ORDOVICIAN	QUEENSTON	291.0		
	WEAVER DUNDAS			
	COLLINGWOOD			
TRENTON	COBOURG			
	VERULAM			
	KIRKFIELD			
BLACK RIVER	COBOCONK			
	GULL RIVER			
	SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				

TOTAL DEPTH SAMPLES 306.0 m MDC 6

REMARKS

D UNIT EQU 111.3 B UNIT EQU 130.5 DECEN 211.4

POOR AGREEMENT BETWEEN LOG & SAMPLES

CRITICAL MISSING SAMPLES

UPPER PICKS INTERPRETIVE, NO LOGS OR SAMPLES

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	B.H. PRESSURE
250.0 - 267.0	600 M3/D	3516 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg m-3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3 d	TYPE
NIL			

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
219MM	35.8KG	95.2	CEMENTED	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
95.0 - 307.5	ISF	20.0 - 307.0	CNFD

CORING RECORD

CONDITION	STORED	PANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

FINAL RESULTS

OIL

GAS

PRESSURE

PRODUCING INTVL (m)

PERFORATED YES FORMATIONS OPEN HOLE

1 DST(S) ON FILE

TREATMENT

CLASS DEVEL FIELD POOL STATUS GAS PRODUCER

COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 19 CON N

WELL NAME PEMBINA 8C LAKE ERIE 19-N PERMIT NO 5697

OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 320.0M PBTD 286.7M

DRILLING CO UNDERWATER GAS DEV RIG TYPE ROT ELEV 174.7M+ 7.0M

GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES

LATITUDE 42-47-30 N

LONGITUDE 79-48-31 W SEQ 1

CONFIDENTIAL 1981 07 09

SPUDDED 1981 06 07

COMPLETED 1981 06 09

ABANDONED

SPL TRAY No 7150 INDEX No 641

GEOLOGICAL CONTACTS

		TOP m	ELEV m	THICK m
SAMPLES START AT		102.0		
	LAKE GROUND LEVEL		7.0	174.7
	DRIFT LAKE BOTTOM	24.5		
PRT LAMBTON		0.		
DEVONIAN	KETTLE POINT	0.		
HAMILTON	MARCELLUS	0.		
	DUNDEE	0.		
DETROIT RIVER	LUCAS	0.		
	AMHERSTBURG	33.6		
	BOIS BLANC	55.5		
	BASS ISLANDS	57.8		
SILURIAN	G UNIT SHALE	63.4		
	F UNIT SHALE	67.6		
	E UNIT LIME	91.5		
	D UNIT SALT	0.		
	C UNIT SHALE	129.0		
	MARKER	136.5		
	B UNIT SALT	0.		
	ANHY	149.3		
	LIME	153.5		
	A2 UNIT SALT	0.		
	ANHY	168.8		
	LIME	169.7		
	A1 UNIT EVAP	0.		
	GUELPH	172.1		
	ERAMOSA			
AMABEL	GOAT ISLAND	190.2		
	GASPORT	193.8		
	ROCHESTER	207.2		
	IRONDEQUOIT	259.6		
	REYNALES	260.6		
	THOROLD	263.3		
CATARACT	GRIMSBY	266.0		
	CABOT HEAD	281.1		
	MANITOULIN	0.		
	WHIRLPOOL	296.6		
ORDOVICIAN	QUEENSTON	302.0		
	MEAFORD DUNDAS			
	COLLINGWOOD			
TRENTON	COBOURG			
	VERULAM			
	KIRKFIELD			
BLACK RIVER	COBOCONK			
	GULL RIVER			
	SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				

TOTAL DEPTH SAMPLES 320.0 MDX 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S/ PRESSURE
259.5-	SHOW	
288.0-	SHOW	
267.0- 279.0	7901 M3/D	4096 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	35.7KG	99.5	CEMENTED	
114MM	14.3KG	321.0	CEMENTED	
60MM	7.0KG	265.0	HANGING	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
24.5- 316.5	GRNL	99.5- 320.5	DENL
99.5- 319.0	LATL	10.0- 283.5	CBND
239.0- 286.0	CNPL		

CORING RECORD

CORING CO STORED PANEL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 123.3 B UNIT EQU 141.6 DE CEV 216.2

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL m

PERFORATED FORMATIONS YES OPEN HOLE

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD POOL STATUS GAS PRODUCER

COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 19 CON P

WELL NAME PEMBINA 8N LAKE ERIE 19-P PERMIT NO 5656

OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 334.0M PBTD

DRILLING CO UNDERWATER GAS DEV RIG TYPE ROT ELEV 174.7M+ 6.8M

GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES

LATITUDE 42-46-10 N

LONGITUDE 79-49-18 W SEQ 1

CONFIDENTIAL 1981 07 20

SPUDDED 1981 06 18

COMPLETED 1981 06 20

ABANDONED

SPL TRAY No 7211 INDEX No 646

GEOLOGICAL CONTACTS

		TOP m	ELEV m	THICK m
SAMPLES START AT		99.0		
	LAKE GROUND LEVEL		6.8	174.7
	DRIFT LAKE BOTTOM	25.7		
PRT LAMBTON				
DEVONIAN	KETTLE POINT			
HAMILTON	MARCELLUS			
	DUNDEE			
DETROIT RIVER	LUCAS			
	AMHERSTBURG			
	BOIS BLANC	35.6		
	BASS ISLANDS	65.4		
SILURIAN	G UNIT SHALE	78.0		
	F UNIT SHALE	82.9		
	E UNIT LIME	106.0		
	D UNIT SALT	0.		
	C UNIT SHALE	142.2		
	MARKER	150.0		
	B UNIT SALT	0.		
	ANHY	164.0		
	LIME	168.2		
	A2 UNIT SALT	0.		
	ANHY	182.2		
	LIME	183.1		
	A1 UNIT EVAP	0.		
	GUELPH	184.3		
	ERAMOSA			
AMABEL	GOAT ISLAND	191.7		
	GASPORT	231.5		
	ROCHESTER	254.1		
	IRONDEQUOIT	271.5		
	REYNALES	0.		
	THOROLD	276.3		
CATARACT	GRIMSBY	280.0		
	CABOT HEAD	291.4		
	MANITOULIN	0.		
	WHIRLPOOL	314.2		
ORDOVICIAN	QUEENSTON	315.3		
	MEAFORD DUNDAS			
	COLLINGWOOD			
TRENTON	COBOURG			
	VERULAM			
	KIRKFIELD			
BLACK RIVER	COBOCONK			
	GULL RIVER			
	SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				

TOTAL DEPTH SAMPLES 334.0 MDX 6

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S/ PRESSURE
287.0-		
289.0- 294.0	15633 M3/D	3840 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	35.7KG	96.6	CEMENTED	
114MM	19.1KG	325.6	CEMENTED	
60MM	4.7KG	284.1	HANGING	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
265.0- 316.5	CNPL	98.0- 330.1	LATL
96.4- 333.5	DIFS	25.0- 334.5	CNFD

CORING RECORD

CORING CO STORED PANEL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 139.6 B UNIT EQU 163.0 DE CEV 291.6

UPPER PICKS INTERPRETIVE, NO LOGS OR SAMPLES

CRITICAL MISSING SAMPLES

FINAL RESULTS

OIL NIL

GAS 15633 M3/D

PRESSURE 3840 KPA

PRODUCING INTVL m 288.5- 289.5
290.3- 291.2

PERFORATED FORMATIONS YES OPEN HOLE GRIMSBY

1 DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD POOL STATUS DRY HOLE -ABD

COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 21 CON I

WELL NAME PEMBINA #3 LAKE ERIE 21-1 PERMIT NO 5608

OPERATOR PEMBINA EXP CO LTD

DRILLING CO PEMBINA DRILLIN CO

GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 311.6M PBTD

RIG TYPE ROT ELEV 176.6M+ 6.1M

CO-ORDINATES

LATITUDE 42-48-13 N

LONGITUDE 79-36-46 W SEQ 1

CONFIDENTIAL 1981 06 07

SPUDDED 1981 05 01

COMPLETED 1981 05 07

ABANDONED 1981 05 08

SPL TRAY No TO80 INDEX No 632

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT			90.0		
LAKE	GROUND LEVEL			6.1	176.6
DRIFT	LAKE BOTTOM		76.1		
DEVONIAN	PRT LAMBTON				
	KETTLE POINT				
	HAMILTON	MARCELLUS			
		DUNDEE			
	DETROIT RIVER	LUCAS			
		AMHERSTBURG			
		BOIS BLANC			
		BASS ISLANDS			
SILURIAN		G UNIT SHALE		51.1	
		F UNIT SHALE		57.9	
		E UNIT CARB		80.9	
		D UNIT SALT		0.	
		C UNIT SHALE		117.9	
		MARKER		125.2	
		B UNIT SALT		0.	
		ANHY		139.6	
		CARB		142.8	
		A-2 UNIT SALT		0.	
		ANHY		0.	
		CARB		156.8	
		A-1 UNIT EVAP		0.	
	GUELPH				
	ERAMOSA			157.8	
ORDOVICIAN	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER		226.8	
		IRONDEQUOIT		246.0	
		REYNALES		248.0	
		THOROLD		250.6	
	CATARACT	GRIMSBY		251.9	
		CABOT HEAD		265.9	
		MANITOULIN		0.	
		WHIRLPOOL		287.0	
	TRENTON	QUEENSTON		289.9	
		MEAFORD DUNDAS			
		COLLINGWOOD			
		COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES			311.6	MDC	7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
248.0-	SHOW	
257.0-	SHOW	
284.2-	SHOW	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg m-3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m-1	SET AT m	HOW SET	REC m
340MM	71.4KG	47.2	CASING SHOE	
193MM	59.1KG	88.0	CASING SHOE	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
84.3- 310.5	DIL	34.8- 306.5	CNFD

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

FOSSIL NIL O. OYER BAY O. D UNIT EQU 113.8
B UNIT EQU 130.1 DE CEW 215.2
POOR SAMPLES QUALITY
POOR AGREEMENT BETWEEN LOG & SAMPLES
CRITICAL MISSING SAMPLES

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED FORMATION(S)
OPEN HOLE

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD POOL STATUS GAS SHOW -ABD

COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 22 CON F

WELL NAME PEMBINA #3 LAKE ERIE 22-F PERMIT NO 5609

OPERATOR PEMBINA EXP CO LTD

DRILLING CO PEMBINA DRILLIN CO

GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 325.0M PBTD

RIG TYPE ROT ELEV 176.7M+ 6.4M

CO-ORDINATES

LATITUDE 42-48-15 N

LONGITUDE 79-36-46 W SEQ 1

CONFIDENTIAL 1981 06 02

SPUDDED 1981 05 02

COMPLETED 1981 05 11

ABANDONED 1981 05 13

SPL TRAY No 3119 INDEX No 637

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT			93.0		
LAKE	GROUND LEVEL			6.4	176.7
DRIFT	LAKE BOTTOM		25.9		
DEVONIAN	PRT LAMBTON		0.		
	KETTLE POINT		0.		
	HAMILTON	MARCELLUS	0.		
		DUNDEE	0.		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	0.		
		BOIS BLANC	33.7		
		BASS ISLANDS			
SILURIAN		G UNIT SHALE			
		F UNIT SHALE			
		E UNIT CARB		86.2	
		D UNIT SALT		0.	
		C UNIT SHALE		122.5	
		MARKER		130.5	
		B UNIT SALT		0.	
		ANHY		144.5	
		CARB		149.1	
		A-2 UNIT SALT		0.	
		ANHY		161.2	
		CARB		163.6	
		A-1 UNIT EVAP		0.	
	GUELPH			168.9	
	ERAMOSA				
ORDOVICIAN	AMABEL	GOAT ISLAND		178.4	
		GASPORT		194.7	
		ROCHESTER		238.7	
		IRONDEQUOIT		250.6	
		REYNALES		252.8	
		THOROLD		255.0	
	CATARACT	GRIMSBY		256.7	
		CABOT HEAD		274.1	
		MANITOULIN		0.	
		WHIRLPOOL		292.2	
	TRENTON	QUEENSTON		296.2	
		MEAFORD DUNDAS			
		COLLINGWOOD			
		COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES			325.0	MDC	7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
265.0- 275.0	SHOW	
264.0- 272.0		2866 KPA
291.0- 325.0		2900 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg m-3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m-1	SET AT m	HOW SET	REC m
340MM		57.0	CEMENTED	
193MM		91.4	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
83.0- 322.5	GRNL	83.0- 322.5	DENL
95.0- 325.0	LATL		

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 117.0 B UNIT EQU 136.0 DE CEW 231.4

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED FORMATION(S)
OPEN HOLE

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD POOL STATUS DRY HOLE -ABD

COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 22 CON W

WELL NAME PEMBINA #4 LAKE ERIE 22-W PERMIT NO 5618

OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 360.0M PBTD

DRILLING CO UNDERWATER GAS DEV RIG TYPE ROT ELEV 174.7M+ 7.0M

GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES

LATITUDE 42-45-13 N

LONGITUDE 79-32-16 W SEQ 1

CONFIDENTIAL 1981 06 16

SPUDDED 1981 05 14

COMPLETED 1981 05 16

ABANDONED 1981 05 17

SPL TRAY No 7206 INDEX No 642

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 121.0					
LAKE GROUND LEVEL			7.0	174.7	
DRIFT LAKE BOTTOM			28.4		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	0.		
		MARCELLUS	0.		
		DUNDEE	0.		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	63.2		
		BOIS BLANC	86.0		
		BASS ISLANDS	90.3		
SILURIAN		G UNIT SHALE	100.5		
		F UNIT SHALE	106.4		
		E UNIT CARB	128.6		
		D UNIT SALT	0.		
		C UNIT SHALE	165.8		
		MARKER	173.7		
		B UNIT SALT	0.		
		ANHY	187.8		
		CARB	193.1		
		A-2 UNIT SALT	0.		
		ANHY	205.4		
		CARB	206.6		
		A-1 UNIT EVAP	0.		
	GUELPH		210.2		
	ERAMOSA				
	AMABEL	GOAT ISLAND	214.8		
		GASPORT	230.3		
		ROCHESTER	282.5		
		IRONDEQUOIT	295.8		
	REYNALES		297.9		
	THOROLD		300.3		
	CATARACT	GRIMSBY	302.7		
		CABOT HEAD	317.4		
		MANITOULIN			
		WHIRLPOOL	335.6		
ORDOVICIAN	QUEENSTON		340.0		
	MEAFORD DUNDAS				
	COLLINGWOOD				
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 360.0 MQC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
308.0- 314.0		3583 KPA
334.0- 344.0		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	47.2KG	119.0	CASING SHOE	28.0

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
25.0- 360.5	GRNL	25.0- 360.5	DENL
25.0- 360.5	CALP	119.0- 360.0	IES

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 160.2 B UNIT EQU 180.0 DE CEW 275.4

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD POOL STATUS GAS PRODUCER

COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 24 CON L

WELL NAME PEMBINA #3 LAKE ERIE 24-L PERMIT NO 5619

OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 344.5M PBTD 339.6M

DRILLING CO UNDERWATER GAS DEV RIG TYPE ROT ELEV 174.7M+ 6.7M

GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES

LATITUDE 42-47-14 N

LONGITUDE 79-21-46 W SEQ 1

CONFIDENTIAL 1981 06 19

SPUDDED 1981 05 17

COMPLETED 1981 05 19

ABANDONED

SPL TRAY No 7177 INDEX No 634

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 109.0					
LAKE GROUND LEVEL			6.7	174.7	
DRIFT LAKE BOTTOM			22.9		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS			
		DUNDEE			
	DETROIT RIVER	LUCAS			
		AMHERSTBURG	55.1		
		BOIS BLANC	75.4		
		BASS ISLANDS	89.4		
SILURIAN		G UNIT SHALE	96.2		
		F UNIT SHALE	103.4		
		E UNIT CARB	123.2		
		D UNIT SALT	0.		
		C UNIT SHALE	161.0		
		MARKER	169.4		
		B UNIT SALT	0.		
		ANHY	184.2		
		CARB	187.0		
		A-2 UNIT SALT	0.		
		ANHY	200.0		
		CARB	202.0		
		A-1 UNIT EVAP	0.		
	GUELPH				
	ERAMOSA		203.2		
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER	268.8		
		IRONDEQUOIT	288.0		
	REYNALES		290.6		
	THOROLD		294.0		
	CATARACT	GRIMSBY	295.0		
		CABOT HEAD	310.0		
		MANITOULIN	0.		
		WHIRLPOOL	329.9		
ORDOVICIAN	QUEENSTON		332.4		
	MEAFORD DUNDAS				
	COLLINGWOOD				
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 344.5 MQC 6

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
306.0- 310.0	413 M3/D	4696 KPA
329.5- 333.5	4050 M3/D	4981 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	35.7KG	106.1	CEMENTED	
114MM	14.2KG	346.0	CEMENTED	
60MM	7.0KG	325.3	HANGING	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
285.0- 336.7	CMPL	22.8- 344.7	CNFD
106.1- 343.7	ISF		

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

FOSSIL MIL 0. DYER BAY 0. D UNIT EQU 156.4
B UNIT EQU 176.4 DE CEW 263.3

FINAL RESULTS

OIL NIL

GAS 4050 M3/D

PRESSURE 4891 KPA

PRODUCING INTVL (m) 330.0- 332.5

PERFORATED YES OPEN HOLE

FORMATION(S) WHIRLPOOL QUEENSTON

1 DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS GAS PRODUCER

COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 24 CON R

WELL NAME: PEMBINA #2 LAKE ERIE 24-R PERMIT NO.: 5623

OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 351.0M PBTD 338.2M

DRILLING CO UNDERWATER GAS DEV RIG TYPE ROT ELEV 174.7M+ 6.9M

GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES

LATITUDE 42-46-49 N

LONGITUDE 79-22-47 W SEQ 1

CONFIDENTIAL 1981 06 29

SPUDDED 1981 05 22

COMPLETED 1981 05 29

ABANDONED

SPL TRAY No 7189 INDEX No 635

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 112.0					
LAKE / GROUND LEVEL			6.9	174.7	
DRIFT / LAKE BOTTOM			24.1		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS			
		DUNDEE			
	DETROIT RIVER	LUCAS			
		AMHERSTBURG	60.8		
		BOIS BLANC	77.5		
		BASS ISLANDS	91.6		
SILURIAN		G UNIT SHALE	97.5		
		F UNIT SHALE	105.2		
		E UNIT CARB	124.4		
		D UNIT SALT	0.		
		C UNIT SHALE	161.0		
		MARKER	170.5		
		B UNIT SALT	0.		
		ANHY	185.5		
		CARB	188.0		
		A-2 UNIT SALT	0.		
		ANHY	201.3		
		CARB	203.0		
		A-1 UNIT EVAP	0.		
	GUELPH				
	ERAMOSA		204.2		
ORDOVICIAN	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER	269.3		
		IRONDEQUOIT	288.8		
	REYNALES		292.0		
	THOROLD		295.0		
	CATARACT	GRIMSBY	296.4		
		CABOT HEAD	312.2		
		MANITOULIN	0.		
		WHIRLPOOL	330.4		
	TRENTON	QUEENSTON	335.4		
		MEAFORD-DUNDAS			
		COLLINGWOOD			
		COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 351.0 MQC 6

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
333.0-	SHOW	
329.0- 351.0	10393 M3/D	5042 KPA
297.0- 314.0	1243 M3/D	4461 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
219MM	32.4KG	108.9	CEMENTED	
114MM	14.1KG	349.1	CEMENTED	
60MM	7.0KG	328.9	HANGING	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
24.0- 351.3	CNFD	109.0- 350.3	ISF
290.0- 338.4	CMPL		

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 155.7 B UNIT EQU 177.3 DE CEW 263.6

POOR AGREEMENT BETWEEN LOG & SAMPLES

UPPER PICKS INTERPRETIVE, NO LOGS OR SAMPLES

FINAL RESULTS

OIL NIL

GAS 10393 M3/D

PRESSURE 5042 KPA

PRODUCING INTVL (m) 333.0- 335.0

PERFORATED YES OPEN HOLE

FORMATION(S) WHIRLPOOL

2 DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS DRY HOLE -ABD

COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 36 CON P

WELL NAME: CONSUMERS 31898 LAKE ERIE 36-P PERMIT NO.: 5581

OPERATOR CONSUMERS GAS CO. TOTAL DEPTH 412.0M PBTD

DRILLING CO UNDERWATER GAS DEV RIG TYPE ROT ELEV 174.7M + 6.3M

GEOLOGY BY PETROLEUM RESOURCES CO-ORDINATES

LATITUDE 42-41-43 N

LONGITUDE 79-19-09 W SEQ 1

CONFIDENTIAL 1981 06 15

SPUDDED 1981 05 13

COMPLETED 1981 05 15

ABANDONED 1981 05 14

SPL TRAY No 3115 INDEX No 631

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 112.0m					
LAKE / GROUND LEVEL			6.3		
DRIFT LAKE BOTTOM			30.7		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	0.		
		MARCELLUS	0.		
		DUNDEE	0.		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	0.		
		BOIS BLANC	103.5		
		BASS ISLANDS	112.2		
SILURIAN		G UNIT SHALE	156.5		
		F UNIT SHALE	163.5		
		E UNIT CARB	184.2		
		D UNIT SALT	0.		
		C UNIT SHALE	222.4		
		MARKER	232.1		
		B UNIT SALT	0.		
		ANHY	248.0		
		CARB	249.8		
		A-2 UNIT SALT	0.		
		ANHY	263.8		
		CARB	265.6		
		A-1 UNIT EVAP	0.		
	GUELPH		268.8		
	ERAMOSA				
ORDOVICIAN	AMABEL	GOAT ISLAND	281.2		
		GASPORT	296.5		
		ROCHESTER	342.0		
		IRONDEQUOIT	355.0		
	REYNALES		357.6		
	THOROLD		359.9		
	CATARACT	GRIMSBY	362.4		
		CABOT HEAD	384.3		
		MANITOULIN	0.		
		WHIRLPOOL	397.8		
	TRENTON	QUEENSTON	401.8		
		MEAFORD-DUNDAS			
		COLLINGWOOD			
		COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 412.0m MQC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
NIL			

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
273MM	75.9KG	30.5	HANGING	30.5
244MM	53.6KG	112.0	CEMENTED	
178MM	29.8KG	170.3	CEMENTED	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
27.0 - 406.5	GRNL	169.0 - 411.5	DENL
30.0 - 411.5	CALP		

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

D UNIT EQU 216.6 B UNIT EQU 239.0 DECEW 332.4

FINAL RESULTS

OIL

GAS

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS DRY HOLE -ABD

COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 37 CON J

WELL NAME: CONSUMERS 31897 LAKE ERIE 37-J

OPERATOR CONSUMERS GAS CO.

DRILLING CO UNDERWATER GAS DEV

GEOLOGY BY PETROLEUM RESOURCE

PERMIT NO: 5580

TOTAL DEPTH 395.0M PBTD

RIG TYPE ROT ELEV 174.7M+ 6.7M

CO-ORDINATES

LATITUDE 42-43-16 N

LONGITUDE 79-20-11 W SEQ 1

CONFIDENTIAL 1981 06 11

SPUDDED 1981 05 08

COMPLETED 1981 05 11

ABANDONED 1981 05 12

SPL TRAY No 5303 INDEX No 630

GEOLOGICAL CONTACTS:	TOP m	ELEV m	THICK m
SAMPLES START AT 109.0			
LAKE / GROUND LEVEL	6.7	174.7	
DRIFT / LAKE BOTTOM	32.9		
DEVONIAN — PRT LAMBTON			
DEVONIAN — HAMILTON — KETTLE POINT			
DEVONIAN — HAMILTON — MARCELLUS			
DEVONIAN — DUNDEE			
DEVONIAN — DETROIT RIVER — LUCAS			
DEVONIAN — DETROIT RIVER — AMHERSTBURG			
DEVONIAN — BOIS BLANC	89.6		
SILURIAN — BASS ISLANDS	132.9		
SILURIAN — G UNIT SHALE	140.0		
SILURIAN — F UNIT SHALE	146.2		
SILURIAN — E UNIT CARB	165.4		
SILURIAN — D UNIT SALT	0.		
SILURIAN — C UNIT SHALE	203.0		
SILURIAN — C UNIT MARKER	213.0		
SILURIAN — B UNIT SALT	0.		
SILURIAN — B UNIT ANHY	229.7		
SILURIAN — B UNIT CARB	231.3		
SILURIAN — A-2 UNIT SALT	0.		
SILURIAN — A-2 UNIT ANHY	245.0		
SILURIAN — A-1 UNIT CARB			
SILURIAN — A-1 UNIT EVAP	0.		
SILURIAN — GUELPH			
SILURIAN — ERAMOSA	252.0		
ORDOVICIAN — AMABEL — GOAT ISLAND	0.		
ORDOVICIAN — AMABEL — GASPORT	0.		
ORDOVICIAN — AMABEL — ROCHESTER	313.8		
ORDOVICIAN — AMABEL — IRONDEQUOIT	334.0		
ORDOVICIAN — CATARACT — REYNALES	336.2		
ORDOVICIAN — CATARACT — THOROLD	339.1		
ORDOVICIAN — CATARACT — GRIMSBY	340.4		
ORDOVICIAN — CATARACT — CABOT HEAD	361.2		
ORDOVICIAN — CATARACT — MANITOULIN	0.		
ORDOVICIAN — CATARACT — WHIRLPOOL	375.3		
ORDOVICIAN — QUEENSTON	380.4		
ORDOVICIAN — TRENTON — MEAFORD-DUNDAS			
ORDOVICIAN — TRENTON — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			

TOTAL DEPTH SAMPLES 395.0 MOC ?

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
131.0-	SHOW	
136.0-	SHOW	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
140.0-		SHOW	SALT
246.2-		SHOW	SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	32.9	HANGING	32.9
244MM	53.6KG	109.1	CEMENTED	
178MM	29.8KG	167.0	CEMENTED	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
169.0- 391.0	LATL	20.0- 394.5	CNFD

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

FOSSIL NIL 0. OVER BAY 0. D UNIT EQU 198.2
B UNIT EQU 219.8 DE CEW 303.0
CRITICAL MISSING SAMPLES

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS DRY HOLE -ABD

COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 37 CON K

WELL NAME: CONSUMERS 31896 LAKE ERIE 37-K

OPERATOR CONSUMERS GAS CO.

DRILLING CO UNDERWATER GAS DEV

GEOLOGY BY PETROLEUM RESOURCE

PERMIT NO: 5579

TOTAL DEPTH 405.0M PBTD

RIG TYPE ROT ELEV 174.7M+ 6.4M

CO-ORDINATES

LATITUDE 42-42-08 N

LONGITUDE 79-20-12 W SEQ 1

CONFIDENTIAL 1981 06 07

SPUDDED 1981 05 04

COMPLETED 1981 05 07

ABANDONED 1981 05 08

SPL TRAY No 5293 INDEX No 629

GEOLOGICAL CONTACTS	TOP m	ELEV m	THICK m
SAMPLES START AT 105.0			
LAKE / GROUND LEVEL	6.4	174.7	
DRIFT / LAKE BOTTOM	31.6		
DEVONIAN — PRT LAMBTON	0.		
DEVONIAN — HAMILTON — KETTLE POINT	0.		
DEVONIAN — HAMILTON — MARCELLUS	0.		
DEVONIAN — DUNDEE	0.		
DEVONIAN — DETROIT RIVER — LUCAS	0.		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	0.		
DEVONIAN — BOIS BLANC	95.5		
SILURIAN — BASS ISLANDS	141.6		
SILURIAN — G UNIT SHALE	150.3		
SILURIAN — F UNIT SHALE	156.9		
SILURIAN — E UNIT CARB	177.4		
SILURIAN — D UNIT SALT	0.		
SILURIAN — C UNIT SHALE	215.5		
SILURIAN — C UNIT MARKER	224.8		
SILURIAN — B UNIT SALT	0.		
SILURIAN — B UNIT ANHY	240.2		
SILURIAN — B UNIT CARB	241.8		
SILURIAN — A-2 UNIT SALT	0.		
SILURIAN — A-2 UNIT ANHY	256.3		
SILURIAN — A-1 UNIT CARB	258.2		
SILURIAN — A-1 UNIT EVAP	0.		
SILURIAN — GUELPH	263.2		
SILURIAN — ERAMOSA			
ORDOVICIAN — AMABEL — GOAT ISLAND	275.4		
ORDOVICIAN — AMABEL — GASPORT	290.0		
ORDOVICIAN — AMABEL — ROCHESTER	332.3		
ORDOVICIAN — AMABEL — IRONDEQUOIT	346.0		
ORDOVICIAN — CATARACT — REYNALES	348.2		
ORDOVICIAN — CATARACT — THOROLD	351.0		
ORDOVICIAN — CATARACT — GRIMSBY	352.9		
ORDOVICIAN — CATARACT — CABOT HEAD	373.5		
ORDOVICIAN — CATARACT — MANITOULIN	0.		
ORDOVICIAN — CATARACT — WHIRLPOOL	388.4		
ORDOVICIAN — QUEENSTON	393.0		
ORDOVICIAN — TRENTON — MEAFORD-DUNDAS			
ORDOVICIAN — TRENTON — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			

TOTAL DEPTH SAMPLES 405.0 MOC ?

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
365.0- 382.0		3719 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	31.6	HANGING	31.6
244MM	53.6KG	109.3	CEMENTED	
178MM	29.8KG	167.2	CEMENTED	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
20.0- 399.0	GRNL	20.0- 399.0	DENL
20.0- 399.0	CALP	169.0- 400.5	LATL

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

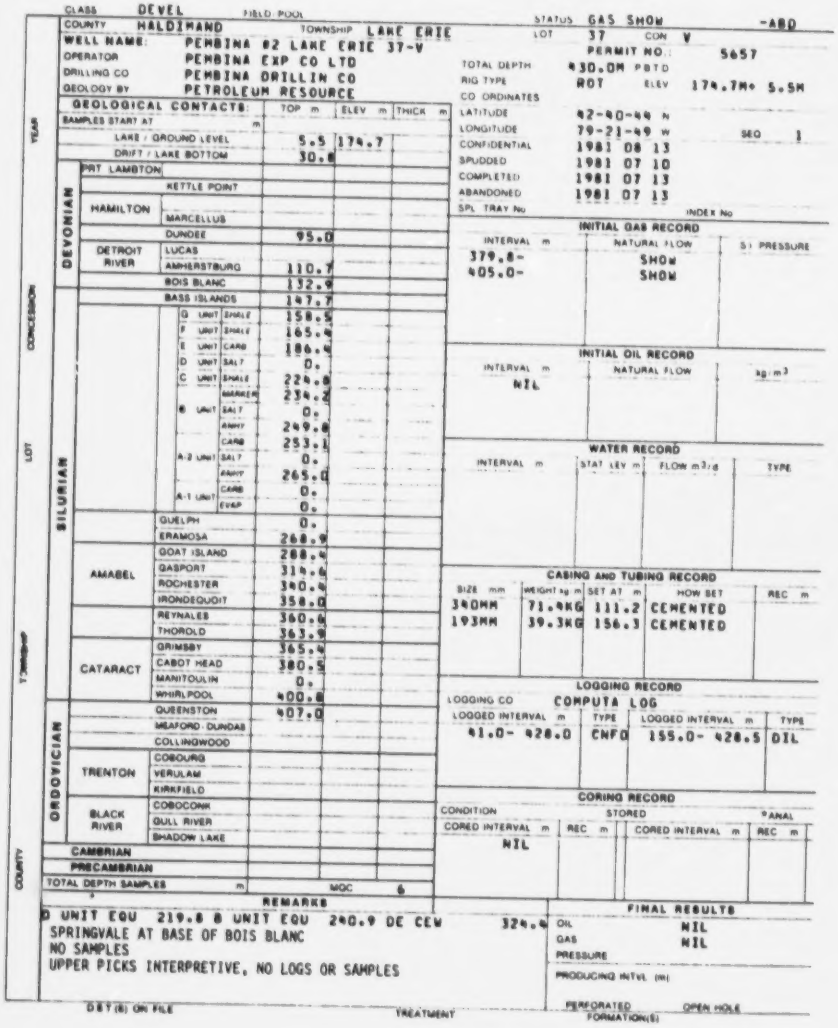
REMARKS

D UNIT EQU 209.3 B UNIT EQU 231.0 DE CEW 322.4

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT



CLASS DEVEL FIELD POOL STATUS GAS SHOW -ABD
COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 37 CON V
WELL NAME: PEMBINA #2 LAKE ERIE 37-V PERMIT NO.: 5657
OPERATOR PEMBINA EXP CO LTD
DRILLING CO PEMBINA DRILLIN CO
GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 430.0M PBTD
RIG TYPE ROT ELEV 174.7M+ 5.5M
CO ORDINATES
LATITUDE 42-40-44 N
LONGITUDE 79-21-49 W SEQ 1
CONFIDENTIAL 1981 08 13
SPUDDED 1981 07 10
COMPLETED 1981 07 13
ABANDONED 1981 07 13
SPL TRAY No INDEX No

GEOLOGICAL CONTACTS:

			TOP m	ELEV m	THICK m
SAMPLES START AT m					
LAKE / GROUND LEVEL			5.5	174.7	
DRIFT / LAKE BOTTOM			30.8		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS			
		DUNDEE	95.0		
	DETROIT RIVER	LUCAS			
		AMHERSTBURG	110.7		
		BOIS BLANC	132.9		
		BASS ISLANDS	147.7		
SILURIAN		G UNIT SHALE	158.5		
		F UNIT SHALE	165.4		
		E UNIT CARB	186.4		
		D UNIT SALT	0.		
		C UNIT SHALE	224.8		
		MARKER	234.2		
		B UNIT SALT	0.		
		ANHY	249.8		
		CARB	253.1		
		A-2 UNIT SALT	0.		
		ANHY	265.0		
		CARB	0.		
		A-1 UNIT EVAP	0.		
	GUELPH		0.		
	ERAMOSA		268.9		
	AMABEL	GOAT ISLAND	288.4		
		GASPORT	314.6		
		ROCHESTER	340.4		
		IRONDEQUOIT	350.0		
	REYNALES		360.6		
	THOROLD		363.9		
	CATARACT	GRIMSBY	365.4		
		CABOT HEAD	380.5		
		MANITOULIN	0.		
		WHIRLPOOL	400.8		
ORDOVICIAN	QUEENSTON		407.0		
	MEAFORD DUNDAS				
	COLLINGWOOD				
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES m MDC 6

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
379.8-	SHOW	
405.0-	SHOW	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
340MM	71.4KG	111.2	CEMENTED	
193MM	39.3KG	156.3	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
41.0- 428.0	CNFD	155.0- 428.5	DIL

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

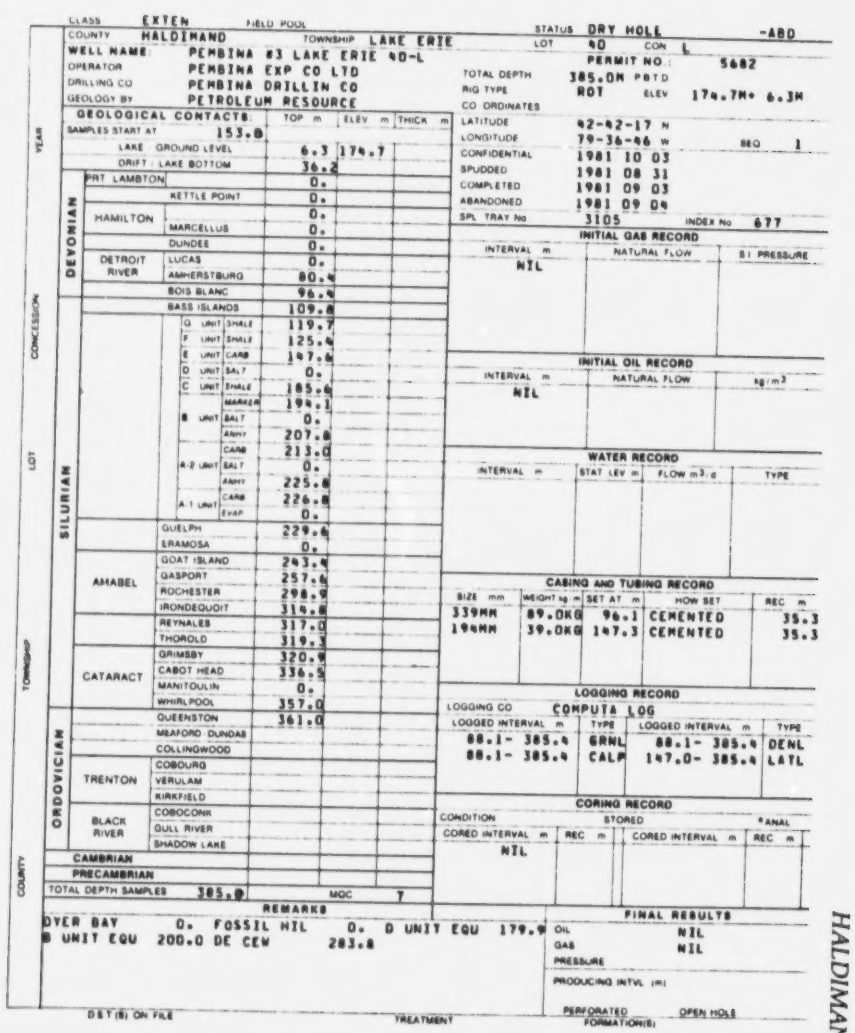
REMARKS

D UNIT EQU 219.8 B UNIT EQU 240.9 DE CEW 324.4
SPRINGVALE AT BASE OF BOIS BLANC
NO SAMPLES
UPPER PICKS INTERPRETIVE, NO LOGS OR SAMPLES

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT



CLASS EXTEN FIELD POOL STATUS DRY HOLE -ABD
COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 40 CON L
WELL NAME: PEMBINA #3 LAKE ERIE 40-L PERMIT NO.: 5682
OPERATOR PEMBINA EXP CO LTD
DRILLING CO PEMBINA DRILLIN CO
GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 385.0M PBTD
RIG TYPE ROT ELEV 174.7M+ 6.3M
CO ORDINATES
LATITUDE 42-42-17 N
LONGITUDE 79-36-46 W SEQ 1
CONFIDENTIAL 1981 10 03
SPUDDED 1981 08 31
COMPLETED 1981 09 03
ABANDONED 1981 09 04
SPL TRAY No 3105 INDEX No 677

GEOLOGICAL CONTACTS:

			TOP m	ELEV m	THICK m
SAMPLES START AT 153.0 m					
LAKE GROUND LEVEL			6.3	174.7	
DRIFT / LAKE BOTTOM			36.2		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	0.		
		MARCELLUS	0.		
		DUNDEE	0.		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	80.4		
		BOIS BLANC	96.4		
		BASS ISLANDS	109.8		
SILURIAN		G UNIT SHALE	119.7		
		F UNIT SHALE	125.4		
		E UNIT CARB	147.6		
		D UNIT SALT	0.		
		C UNIT SHALE	185.6		
		MARKER	194.1		
		B UNIT SALT	0.		
		ANHY	207.8		
		CARB	213.0		
		A-2 UNIT SALT	0.		
		ANHY	225.8		
		CARB	226.8		
		A-1 UNIT EVAP	0.		
	GUELPH		229.4		
	ERAMOSA		0.		
	AMABEL	GOAT ISLAND	243.4		
		GASPORT	257.6		
		ROCHESTER	298.9		
		IRONDEQUOIT	314.8		
	REYNALES		317.0		
	THOROLD		319.3		
	CATARACT	GRIMSBY	320.9		
		CABOT HEAD	336.5		
		MANITOULIN	0.		
		WHIRLPOOL	357.0		
ORDOVICIAN	QUEENSTON		361.0		
	MEAFORD DUNDAS				
	COLLINGWOOD				
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 385.0 m MDC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
339MM	89.0KG	96.1	CEMENTED	35.3
194MM	39.0KG	147.3	CEMENTED	35.3

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
88.1- 385.4	GRNL	88.1- 385.4	DENL
88.1- 385.4	CALP	147.0- 385.4	LATL

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

DYER BAY 0. FOSSIL NIL 0. D UNIT EQU 179.9
B UNIT EQU 200.0 DE CEW 283.8

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS GAS SHOW -ABD
COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 40 CON P
WELL NAME: PEMBINA #1 LAKE ERIE 40-P PERMIT NO.: 5760
OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 389.0M PBTD
DRILLING CO PEMBINA DRILLIN CO RIG TYPE ROT ELEV 174.7M+ 6.3M
GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES
LATITUDE 42-41-46 N
LONGITUDE 79-39-12 W SEQ 1
CONFIDENTIAL 1981 10 11
SPUDDED 1981 09 05
COMPLETED 1981 09 11
ABANDONED 1981 09 14
SPL TRAY No 3105 INDEX No 677

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 163.0					
LAKE / GROUND LEVEL			6.3	174.7	
DRIFT / LAKE BOTTOM			37.8		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS			
		DUNDEE			
	DETROIT RIVER	LUCAS			
		AMHERSTBURG	89.3		
		BOIS BLANC	99.6		
		BASS ISLANDS	113.3		
SILURIAN		G UNIT SHALE	124.0		
		F UNIT SHALE	129.5		
		E UNIT CARB	151.9		
		D UNIT SALT	0.		
		C UNIT SHALE	189.1		
		MARKER	198.2		
		B UNIT SALT	0.		
		ANHY	211.4		
		CARB	215.8		
		A-2 UNIT SALT	0.		
		ANHY	0.		
		CARB	230.0		
		A-1 UNIT EVAP	0.		
	GUELPH		0.		
	ERAMOSA		232.3		
	AMABEL	GOAT ISLAND	239.4		
		GASPORT	258.4		
		ROCHESTER	302.4		
		IRONDEQUOIT	319.1		
	CATARACT	REYNALES	321.4		
		THOROLD	323.8		
		GRIMSBY	325.0		
		CABOT HEAD	339.7		
		MANITOULIN	0.		
		WHIRLPOOL	363.2		
ORDOVICIAN		QUEENSTON	367.8		
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 370.0 MOC 6

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
329.0- 330.0	SHOW	
322.0- 330.0		949 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
340MM	69.0KG	108.3	CEMENTED	
194MM	39.0KG	160.3	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
159.5- 386.7	SONL	59.4- 388.4	CNFD
159.5- 388.4	DIL		

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 184.4 B UNIT EQU 203.6 DE CEW 287.4

POOR AGREEMENT BETWEEN LOG & SAMPLES
CRITICAL MISSING SAMPLES
UPPER PICKS INTERPRETIVE, NO LOGS OR SAMPLES

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

2 DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD POOL STATUS GAS PRODUCER
COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 41 CON N
WELL NAME: PEMBINA #4 LAKE ERIE 41-N PERMIT NO. 5611
OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 385.0M PBTD
DRILLING CO PEMBINA DRILLIN CO RIG TYPE ROT ELEV 174.7M+ 6.4M
GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES
LATITUDE 42-42-14 N
LONGITUDE 79-43-15 W SEQ 1
CONFIDENTIAL 1981 06 18
SPUDDED 1981 05 13
COMPLETED 1981 05 18
ABANDONED
SPL TRAY No 7177 INDEX No 633

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 129.0					
LAKE / GROUND LEVEL			6.4	174.7	
DRIFT / LAKE BOTTOM			39.9		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	0.		
		MARCELLUS	0.		
		DUNDEE	0.		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	67.7		
		BOIS BLANC	91.4		
		BASS ISLANDS	103.9		
SILURIAN		G UNIT SHALE	116.4		
		F UNIT SHALE	122.8		
		E UNIT CARB	144.4		
		D UNIT SALT	0.		
		C UNIT SHALE	181.4		
		MARKER	189.9		
		B UNIT SALT	0.		
		ANHY	204.0		
		CARB	208.0		
		A-2 UNIT SALT	0.		
		ANHY	222.1		
		CARB	223.1		
		A-1 UNIT EVAP	0.		
	GUELPH		225.6		
	ERAMOSA				
	AMABEL	GOAT ISLAND	233.3		
		GASPORT	254.3		
		ROCHESTER	300.1		
		IRONDEQUOIT	312.0		
	CATARACT	REYNALES	314.3		
		THOROLD	316.2		
		GRIMSBY	317.4		
		CABOT HEAD	333.6		
		MANITOULIN	0.		
		WHIRLPOOL	354.9		
ORDOVICIAN		QUEENSTON	359.0		
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 386.0 MOC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
330.0- 335.0	9969 M3/D	5024 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
340MM	71.3KG	91.5	CEMENTED	
194MM	29.8KG	124.0	CEMENTED	
114MM	18.1KG	381.6	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
104.0- 382.0	GRNL	123.0- 384.0	DENL
121.0- 384.0	LATL	130.5- 365.8	CBND
201.5- 369.5	CNPL		

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 175.5 B UNIT EQU 195.5 DE CEW 290.2

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT

WELL SUMMARY CARDS LISTED ALPHABETICALLY BY COUNTY & TOWNSHIP

CLASS DEVEL FIELD/POOL STATUS GAS SHOW -ABD

COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 41 CON 0

WELL NAME PEMBINA #2 LAKE ERIE 41-0 PERMIT NO 5650

OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 370.0M PBTD

DRILLING CO PEMBINA EXP CO LTD RIG TYPE ROT ELEV 174.7M± 5.9M

GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES

GEOLOGICAL CONTACTS	TOP m	ELEV m	THICK m
SAMPLES START AT 131.0			
LAKE / GROUND LEVEL	5.9	174.7	
DRIFT / LAKE BOTTOM	39.3		
DEVONIAN — PRT LAMBTON			
KETTLE POINT			
HAMILTON — MARCELLUS			
DUNDEE			
DETROIT RIVER — LUCAS			
AMHERSTBURG	68.6		
BOIS BLANC			
BASS ISLANDS			
SILURIAN — G UNIT SHALE	117.0		
F UNIT SHALE			
E UNIT CARB	137.6		
D UNIT SALT	0.		
C UNIT SHALE	175.7		
WARREN	183.6		
B UNIT SALT	0.		
ANHY	197.4		
CARB	202.2		
A-2 UNIT SALT	0.		
ANHY	216.0		
CARB	218.0		
A-1 UNIT EVAP	0.		
GUELPH	220.1		
ERAMOSA			
AMABEL — GOAT ISLAND	227.6		
GASPORT	259.6		
ROCHESTER	289.4		
IRONDEQUOIT	306.2		
REYNALES	0.		
THOROLD	309.0		
CATARACT — GRIMSBY	312.0		
CABOT HEAD	325.0		
MANITOULIN	0.		
WHIRLPOOL	349.2		
ORDOVICIAN — QUEENSTON	359.0		
MEAFORD DUNDAS			
COLLINGWOOD			
TRENTON — COBOURG			
VERULAM			
KIRKFIELD			
BLACK RIVER — COBOCONK			
GULL RIVER			
SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			

TOTAL DEPTH SAMPLES 353.0 MDC 6

LATITUDE 42-42-40 N

LONGITUDE 79-46-47 W SEQ 1

CONFIDENTIAL 1981 07 13

SPUDDED 1981 06 08

COMPLETED 1981 06 13

ABANDONED 1981 06 13

SPL TRAY No 7219 INDEX No 651

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE
276.0- 295.0	SHOW	
306.0-	SHOW	
348.0- 371.0	396 M3/D	5359 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg m-3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3 d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
340MM	71.4KG	80.2	CEMENTED	
194MM	39.3KG	128.3	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
126.0- 370.3	DIL	126.0- 370.1	CNFD
126.0- 368.6	SONL		

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 170.8 B UNIT EQU 189.4 DE CEN 275.1

UPPER PICKS INTERPRETIVE, NO LOGS OR SAMPLES

CRITICAL MISSING SAMPLES

POOR AGREEMENT BETWEEN LOG & SAMPLES

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

1 DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS GAS PRODUCEN

COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 41 CON 5

WELL NAME PEMBINA #2 LAKE ERIE 41-5 PERMIT NO 5662

OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 380.0M PBTD

DRILLING CO PEMBINA DRILLIN CO RIG TYPE ROT ELEV 174.7M± 6.0M

GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES

GEOLOGICAL CONTACTS	TOP m	ELEV m	THICK m
SAMPLES START AT 152.8			
LAKE / GROUND LEVEL	6.0	174.7	
DRIFT / LAKE BOTTOM	39.0		
DEVONIAN — PRT LAMBTON			
KETTLE POINT			
HAMILTON — MARCELLUS			
DUNDEE			
DETROIT RIVER — LUCAS			
AMHERSTBURG			
BOIS BLANC	86.0		
BASS ISLANDS			
SILURIAN — G UNIT SHALE			
F UNIT SHALE			
E UNIT CARB	147.0		
D UNIT SALT	0.		
C UNIT SHALE	184.0		
WARREN	193.3		
B UNIT SALT	0.		
ANHY	207.0		
CARB	210.8		
A-2 UNIT SALT	0.		
ANHY	225.6		
CARB	226.7		
A-1 UNIT EVAP	0.		
GUELPH			
ERAMOSA	230.6		
AMABEL — GOAT ISLAND	246.4		
GASPORT	263.3		
ROCHESTER	293.6		
IRONDEQUOIT	315.8		
REYNALES	318.4		
THOROLD	320.9		
CATARACT — GRIMSBY	322.0		
CABOT HEAD	338.0		
MANITOULIN	0.		
WHIRLPOOL	358.8		
ORDOVICIAN — QUEENSTON			
MEAFORD DUNDAS	362.8		
COLLINGWOOD			
TRENTON — COBOURG			
VERULAM			
KIRKFIELD			
BLACK RIVER — COBOCONK			
GULL RIVER			
SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			

TOTAL DEPTH SAMPLES 378.0 MDC 6

LATITUDE 42-41-48 N

LONGITUDE 79-41-40 W SEQ 1

CONFIDENTIAL 1981 07 22

SPUDDED 1981 06 19

COMPLETED 1981 06 22

ABANDONED

SPL TRAY No 7209 INDEX No 652

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE
323.0-	SHOW	
333.0-	SHOW	
329.0- 340.0	5967 M3/D	4877 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg m-3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3 d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
340MM	71.4KG	99.7	CEMENTED	
194MM	39.3KG	149.0	CEMENTED	
114MM	14.1KG	376.2	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
147.0- 380.5	DIL	147.0- 379.8	CNFD
271.0- 368.0	CMPL		

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 179.0 B UNIT EQU 198.4 DE CEN 284.2

UPPER PICKS INTERPRETIVE, NO LOGS OR SAMPLES

CRITICAL MISSING SAMPLES

FINAL RESULTS

OIL NIL

GAS 5976 M3/D

PRESSURE 4805 KPA

PRODUCING INTVL (m) 331.3- 332.0

330.0- 334.3 335.0- 336.4

PERFORATED YES OPEN HOLE

FORMATION(S) GRIMSBY

1 DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS DRY HOLE -ABD

COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 42 CON D

WELL NAME PEMBINA #1 LAKE ERIE 42-D PERMIT NO 5648

OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 349.0M PBTD

DRILLING CO PEMBINA DRILLIN CO RIG TYPE ROT ELEV 174.7M+ 5.6M

GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES

LATITUDE 42-44-47 N

LONGITUDE 79-48-18 W MAG 1

CONFIDENTIAL 1981 07 16

SPUDDED 1981 06 13

COMPLETED 1981 06 16

ABANDONED 1981 06 18

SPL TRAY No 6611 INDEX No 666

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT			111.0		
LAKE / GROUND LEVEL			5.6	174.7	
DRIFT / LAKE BOTTOM			32.7		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS			
		DUNDEE			
	DETROIT RIVER	LUCAS			
		AMHERSTBURG			
		BOIS BLANC	45.4		
		BASS ISLANDS			
SILURIAN		Q UNIT SHALE			
		F UNIT SHALE	96.2		
		E UNIT CARB	117.6		
		D UNIT SALT	0.		
		C UNIT SHALE	156.0		
		MARKER	162.0		
		B UNIT SALT	0.		
		ANHY	175.3		
		CARB	180.3		
		A2 UNIT SALT	0.		
		ANHY	194.7		
		CARB	195.7		
		A1 UNIT EVAP	0.		
	GUELPH		197.2		
	ERAMOSA				
	AMABEL	GOAT ISLAND	204.5		
		GASPORT	228.5		
		ROCHESTER	262.2		
		IRONDEQUOIT	285.0		
		REYNALES	287.8		
		THOROLD	289.7		
	CATARACT	GRIMSBY	291.8		
		CABOT HEAD	303.6		
		MANITOULIN	0.		
		WHIRLPOOL	327.8		
ORDOVICIAN		QUEENSTON	329.8		
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES			349.0	MDC	6

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S/ PRESSURE
290.0-	SHOW	
293.0-	SHOW	
328.0-	SHOW	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
340MM		64.0	CEMENTED	29.0
194MM		108.7	CEMENTED	29.0

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
108.0- 347.5	CNFD	108.0- 348.0	DIL

CORING RECORD

CONDITION	STORED		FANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

FOSSIL NIL 0. D UNIT EQU 149.4 B UNIT EQU 167.6
DE CEW 250.7
CRITICAL MISSING SAMPLES
UPPER PICKS INTERPRETIVE, NO LOGS OR SAMPLES
POOR SAMPLES QUALITY

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED / OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS GAS PRODUCER

COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 67 CON A

WELL NAME PEMBINA #4 LAKE ERIE 67-A PERMIT NO 5668

OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 435.0M PBTD 422.1M

DRILLING CO PEMBINA DRILLIN CO RIG TYPE ROT ELEV 174.7M+ 5.9M

GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES

LATITUDE 42-37-11 N

LONGITUDE 79-50-15 W MAG 1

CONFIDENTIAL 1981 08 07

SPUDDED 1981 07 01

COMPLETED 1981 07 07

ABANDONED

SPL TRAY No 5116 INDEX No 656

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT			165.0		
LAKE / GROUND LEVEL			5.9	174.7	
DRIFT / LAKE BOTTOM			52.2		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	0.		
		MARCELLUS	0.		
		DUNDEE	99.0		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	129.8		
		BOIS BLANC	183.4		
		BASS ISLANDS	154.5		
SILURIAN		Q UNIT SHALE	173.2		
		F UNIT SHALE	178.5		
		E UNIT CARB	200.2		
		D UNIT SALT	0.		
		C UNIT SHALE	238.0		
		MARKER	245.8		
		B UNIT SALT	0.		
		ANHY	259.8		
		CARB	265.8		
		A2 UNIT SALT	0.		
		ANHY	279.6		
		CARB	280.9		
		A1 UNIT EVAP	0.		
	GUELPH		284.2		
	ERAMOSA				
	AMABEL	GOAT ISLAND	296.7		
		GASPORT	308.5		
		ROCHESTER	354.6		
		IRONDEQUOIT	370.0		
		REYNALES	372.2		
		THOROLD	376.5		
	CATARACT	GRIMSBY	376.2		
		CABOT HEAD	392.1		
		MANITOULIN	0.		
		WHIRLPOOL	414.2		
ORDOVICIAN		QUEENSTON	418.6		
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES			435.0	MDC	7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S/ PRESSURE
389.0- 394.0	27980 M3/D	4602 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
340MM	71.4KG	122.5	CEMENTED	
194MM	39.3KG	162.2	CEMENTED	
114MM	14.1KG	430.8	CEMENTED	
60MM	7.0KG	325.7	HANGING	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
73.5- 433.5	GRNL	73.5- 433.5	CALP
73.5- 433.5	DENL	160.2- 430.0	IES
324.7- 421.3	CCL		

CORING RECORD

CONDITION	STORED		FANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

D UNIT EQU 232.2 B UNIT EQU 252.0 DE CEW 339.4

FINAL RESULTS

OIL NIL
GAS 27980 M3/D
PRESSURE 4602 KPA
PRODUCING INTVL (m) 390.0- 392.0
PERFORATED / OPEN HOLE YES
FORMATION(S) GRIMSBY

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD POOL STATUS GAS PRODUCER

COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 67 CON B

WELL NAME PEMBINA #3 LAKE ERIE 67-B PERMIT NO 5715

OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 448.0M PBTD 433.8M

DRILLING CO PEMBINA DRILLIN CO RIG TYPE ROT ELEV 174.7M+ 5.1M

GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES

LATITUDE 42-36-10 N

LONGITUDE 79-52-55 W MAG 1

CONFIDENTIAL 1981 08 24

SPUDDED 1981 07 09

COMPLETED 1981 07 29

ABANDONED

SPL TRAY No 6471 INDEX No 661

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 168.0					
LAKE - GROUND LEVEL			5.1	174.7	
DRIFT - LAKE BOTTOM			54.6		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	0.		
		MARCELLUS	0.		
		DUNDEE	101.6		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	118.1		
		BOIS BLANC	145.4		
		BASS ISLANDS	158.1		
SILURIAN		G UNIT SHALE	177.0		
		F UNIT SHALE	182.9		
		E UNIT CARB	204.8		
		D UNIT SALT	0.		
		C UNIT SHALE	242.2		
		MARKER	251.9		
		B UNIT SALT	0.		
		ANHY	266.0		
		CARB	270.6		
		A 2 UNIT SALT	0.		
		ANHY	284.0		
		CARB	284.8		
		A 1 UNIT EVAP	0.		
	GUELPH		288.1		
	ERAMOSA		0.		
	AMABEL	GOAT ISLAND	301.5		
		GASPORT	313.4		
		ROCHESTER	361.1		
		IRONDEQUOIT	374.5		
		REYNALES	376.9		
		THOROLD	378.8		
	CATARACT	GRIMSBY	379.5		
		CABOT HEAD	395.6		
		MANITOULIN	0.		
		WHIRLPOOL	420.0		
ORDOVICIAN		QUEENSTON	429.3		
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 448.0			MDC 7		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
385.0- 396.0	SHOW	
401.0- 407.0	3526 M3/D	4633 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg m-3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3 d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
340MM	71.4KG	116.5	CEMENTED	
194MM	39.1KG	165.3	CEMENTED	
114MM	14.1KG	444.5	CEMENTED	
60MM	7.0KG	388.2	HANGING	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
74.5- 447.0	GRNL	74.5- 447.0	DENL
74.5- 447.0	CALP	169.0- 447.0	LATL
155.0- 445.0	SONL	327.2- 434.6	CCL

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

FOSSIL NIL 0. DYER BAY 0. D UNIT EQU 236.1
B UNIT EQU 257.1 DE CEN 347.8

FINAL RESULTS

OIL NIL

GAS 3526 M3/D

PRESSURE 4633 KPA

PRODUCING INTVL (S) 393.4- 395.6

PERFORATED OPEN HOLE

FORMATION(S) GRIMSBY

DST(S) ON FILE TREATMENT

CLASS EXTEN FIELD POOL STATUS GAS PRODUCER

COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 67 CON V

WELL NAME PEMBINA #1 LAKE ERIE 67-V PERMIT NO 5666

OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 455.0M PBTD

DRILLING CO PEMBINA DRILLIN CO RIG TYPE ROT ELEV 174.7M+ 6.3M

GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES

LATITUDE 42-35-48 N

LONGITUDE 79-51-16 W MAG 1

CONFIDENTIAL 1981 08 06

SPUDDED 1981 07 03

COMPLETED 1981 07 06

ABANDONED

SPL TRAY No 7220 INDEX No 669

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 185.0					
LAKE - GROUND LEVEL			6.3	174.7	
DRIFT - LAKE BOTTOM			58.6		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS			
		DUNDEE			
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG			
		BOIS BLANC			
		BASS ISLANDS			
SILURIAN		G UNIT SHALE	186.6		
		F UNIT SHALE	193.0		
		E UNIT CARB	214.9		
		D UNIT SALT	0.		
		C UNIT SHALE	251.5		
		MARKER	260.7		
		B UNIT SALT	0.		
		ANHY	274.6		
		CARB	279.1		
		A 2 UNIT SALT	0.		
		ANHY	294.0		
		CARB	295.4		
		A 1 UNIT EVAP	0.		
	GUELPH		296.9		
	ERAMOSA				
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER	362.5		
		IRONDEQUOIT	384.0		
		REYNALES	386.0		
		THOROLD	388.5		
	CATARACT	GRIMSBY	390.0		
		CABOT HEAD	407.8		
		MANITOULIN	0.		
		WHIRLPOOL	429.6		
ORDOVICIAN		QUEENSTON	434.0		
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 434.0			MDC 6		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
394.0- 428.0	SHOW	
428.0- 455.0	1781 M3/D	5571 KPA
397.0- 406.0	765 M3/D	4653 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg m-3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3 d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
339MM	79.0KG	139.3	CEMENTED	
193MM	29.0KG	182.1	CEMENTED	
114MM	14.0KG	448.3	CEMENTED	
60MM	7.9KG	390.9	HANGING	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
60.0- 455.0	CNFD	181.0- 455.0	DIL
163.7- 444.6	CMPL		

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 296.3 B UNIT EQU 286.0 DE CEN 356.6
POOR AGREEMENT BETWEEN LOG & SAMPLE
UPPER PICKS INTERPRETIVE, NO LOGS OR SAMPLES
CRITICAL MISSING SAMPLES

FINAL RESULTS

OIL NIL

GAS 1790 M3/D

PRESSURE 5569 KPA

PRODUCING INTVL (S) 393.5- 394.3
432.0- 433.5

PERFORATED YES OPEN HOLE

FORMATION(S) GRIMSBY
WHIRLPOOL

2 DST(S) ON FILE TREATMENT

HALDIMAND COUNTY

CLASS DEVEL FIELD POOL STATUS GAS PRODUCER

COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 68 CON A

WELL NAME PEMBINA #3 LAKE ERIE 68-A PERMIT NO 5714

OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 411.9M PBTD

DRILLING CO PEMBINA DRILLIN CO RIG TYPE ROT ELEV 174.7M+ 5.9M

GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES

LATITUDE 42-39-15 N

LONGITUDE 79-45-45 W SEQ 1

CONFIDENTIAL 1981 08 14

SPUDDED 1981 07 14

COMPLETED 1981 07 14

ABANDONED

SPL TRAY No 6526 INDEX No 669

GEOLOGICAL CONTACTS — SAMPLES START AT 149.0

		TOP m	ELEV m	THICK m
LAKE : GROUND LEVEL		5.9	174.7	
DRIFT : LAKE BOTTOM		43.6		
DEVONIAN	PRT LAMBTON	0.		
	KETTLE POINT	0.		
	HAMILTON	0.		
	MARCELLUS	0.		
	DUNDEE	84.2		
	DETROIT RIVER — LUCAS	0.		
	AMHERSTBURG	105.6		
	BOIS BLANC	119.4		
	BASS ISLANDS	129.2		
SILURIAN	G UNIT SHALE	184.2		
	F UNIT SHALE	189.4		
	E UNIT CARB	190.9		
	D UNIT SALT	0.		
	C UNIT SHALE	208.2		
	WARREN	216.5		
	B UNIT SALT	0.		
	ANHY	230.4		
	CARB	236.1		
	A2 UNIT SALT	0.		
	ANHY	250.0		
	CARB	251.1		
	A1 UNIT EVAP	0.		
	GUELPH	255.9		
	ERAMOSA			
	AMABEL — GOAT ISLAND	266.0		
	GASPORT	277.7		
	ROCHESTER	327.2		
	IRONDEQUOIT	341.5		
	REYNALES	344.0		
	THOROLD	346.9		
	CATARACT — GRIMSBY	349.2		
	CABOT HEAD	366.4		
	MANITOULIN			
	WHIRLPOOL	384.7		
ORDOVICIAN	QUEENSTON	389.2		
	MEAFORD DUNDAS			
	COLLINGWOOD			
	TRENTON — COBOURG			
	VERULAM			
	KIRKFIELD			
	BLACK RIVER — COBOCONK			
	GULL RIVER			
	SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				

TOTAL DEPTH SAMPLES 386.0 MUC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S. PRESSURE
353.0-	SHOW	
386.0-	SHOW	
385.0- 411.9	16454 M3/D	5535 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
340MM	71.4KG	103.4	CEMENTED	
193MM	39.3KG	145.9	CEMENTED	
114MM	14.1KG	407.8	CEMENTED	
60MM	6.0KG	377.0	HANGING	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
50.0- 410.0	GRNL	50.0- 410.0	DENL
50.0- 410.0	CALP	144.6- 410.5	IES
394.5- 410.5	CCL		

CORING RECORD

CONDITION

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

STORED PANAL

REMARKS

D UNIT EQU 202.4 B UNIT EQU 222.7 DE CEV 316.4

FINAL RESULTS

OIL NIL

GAS 16454 M3/D

PRESSURE 5535 KPA

PRODUCING INTVL m 385.8- 386.6

388.2- 388.7

PERFORATED YES OPEN HOLE

FORMATION(S) WHIRLPOOL

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD POOL STATUS GAS PRODUCER

COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 68 CON L

WELL NAME PEMBINA #1 LAKE ERIE 68-L PERMIT NO 5617

OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 431.7M PBTD

DRILLING CO PEMBINA DRILLIN CO RIG TYPE ROT ELEV 174.7M+ 5.7M

GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES

LATITUDE 42-37-42 N

LONGITUDE 79-46-11 W SEQ 1

CONFIDENTIAL 1981 07 02

SPUDDED 1981 06 02

COMPLETED 1981 06 05

ABANDONED

SPL TRAY No 7206 INDEX No 648

GEOLOGICAL CONTACTS — SAMPLES START AT 160.0

		TOP m	ELEV m	THICK m
LAKE : GROUND LEVEL		5.7	174.7	
DRIFT : LAKE BOTTOM		46.6		
DEVONIAN	PRT LAMBTON	0.		
	KETTLE POINT	0.		
	HAMILTON	0.		
	MARCELLUS	0.		
	DUNDEE	95.0		
	DETROIT RIVER — LUCAS			
	AMHERSTBURG			
	BOIS BLANC			
	BASS ISLANDS	151.0		
SILURIAN	G UNIT SHALE	168.5		
	F UNIT SHALE	175.6		
	E UNIT CARB	195.0		
	D UNIT SALT	0.		
	C UNIT SHALE	234.4		
	WARREN	242.1		
	B UNIT SALT	0.		
	ANHY	255.7		
	CARB	262.1		
	A2 UNIT SALT	0.		
	ANHY	276.0		
	CARB	277.3		
	A1 UNIT EVAP	0.		
	GUELPH	280.0		
	ERAMOSA			
	AMABEL — GOAT ISLAND	305.7		
	GASPORT	323.6		
	ROCHESTER	349.3		
	IRONDEQUOIT	361.9		
	REYNALES	366.2		
	THOROLD	368.5		
	CATARACT — GRIMSBY	370.3		
	CABOT HEAD	387.9		
	MANITOULIN	0.		
	WHIRLPOOL	408.7		
ORDOVICIAN	QUEENSTON	412.0		
	MEAFORD DUNDAS			
	COLLINGWOOD			
	TRENTON — COBOURG			
	VERULAM			
	KIRKFIELD			
	BLACK RIVER — COBOCONK			
	GULL RIVER			
	SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				

TOTAL DEPTH SAMPLES 430.0 MUC 6

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S. PRESSURE
385.0-	SHOW	
372.0- 387.0	2056 M3/D	4667 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
340MM	71.4KG	116.0	CEMENTED	
193MM	39.3KG	158.4	CEMENTED	
114MM	14.1KG	427.8	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
149.0- 429.8	GRNL	149.0- 429.8	DENL
149.0- 429.8	CALP	157.5- 428.0	SONL
157.5- 430.0	IES		

CORING RECORD

CONDITION

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

STORED PANAL

REMARKS

D UNIT EQU 228.3 B UNIT EQU 248.1 DE CEV 343.3

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL m

PERFORATED OPEN HOLE

FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD POOL STATUS GAS PRODUCER

COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 66 CON N

WELL NAME: PEMBINA #3 LAKE ERIE 68-N

OPERATOR PEMBINA EXP CO LTD

DRILLING CO PEMBINA DRILLIN CO

GEOLOGY BY PETROLEUM RESOURCE

PERMIT NO 5669

TOTAL DEPTH 440.0M PBTD

RIG TYPE ROT ELEV 174.7M+ 6.1M

CO ORDINATES

LATITUDE 42-37-14 N

LONGITUDE 79-48-47 W SEQ 1

CONFIDENTIAL 1981 07 30

SPUDDED 1981 06 27

COMPLETED 1981 06 30

ABANDONED

SPL TRAY No 7689 INDEX No 661

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 169.0					
LAKE / GROUND LEVEL			6.1	174.7	
DRIFT / LAKE BOTTOM			50.6		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	0.		
		MARCELLUS	0.		
		DUNDEE	0.		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	124.5		
		BOIS BLANC	143.6		
		BASS ISLANDS	155.4		
SILURIAN		G UNIT SHALE	174.5		
		F UNIT SHALE	181.1		
		E UNIT CARB	203.0		
		D UNIT SALT	0.		
		C UNIT SHALE	240.1		
		MARKER	248.7		
		B UNIT SALT	0.		
		ANHY	262.4		
		CARB	268.0		
		A-2 UNIT SALT	0.		
		ANHY	282.2		
		CARB	283.1		
		A-1 UNIT EVAP	0.		
	GUELPH		288.3		
	ERAMOSA				
	AMABEL	GOAT ISLAND	297.3		
		GASPORT	310.7		
		ROCHESTER	355.6		
		IRONDEQUOIT	371.5		
		REYNALES	373.0		
		THOROLD	376.0		
	CATARACT	GRIMSBY	377.1		
		CABOT HEAD	395.6		
		MANITOULIN	0.		
		WHIRLPOOL	417.0		
		QUEENSTON	421.0		
ORDOVICIAN		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 426.0 MDC ?

REMARKS

D UNIT EQU 234.3 B UNIT EQU 253.6 DE CEV 340.2

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
376.0- 395.0	16882 M3/D	4488 KPA
416.0- 440.5		1526 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg m-3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3 d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
340MM	73.0KG	121.0	CEMENTED	
194MM	29.0KG	166.9	CEMENTED	
114MM	14.1KG	430.5	CEMENTED	
60MM	7.9KG	395.3	HANGING	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
138.5- 440.5	IES	58.5- 440.3	DENL
58.5- 440.3	CALP	58.5- 440.3	GRNL
327.0- 421.9	CMPL		

CORING RECORD

CONDITION	CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
	NIL			

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATION(S) OPEN HOLE

DST(S) ON FILE TREATMENT

CLASS EXTEN FIELD POOL STATUS GAS SHOW -ABD

COUNTY HALDIMAND TOWNSHIP LAKE EIE LOT 66 CON B

WELL NAME PEMBINA #3 LAKE ERIE 68-A

OPERATOR PEMBINA EXP CO LTD

DRILLING CO PEMBINA DRILLIN CO

GEOLOGY BY PETROLEUM RESOURCE

PERMIT NO 5638

TOTAL DEPTH 454.8M PBTD

RIG TYPE ROT ELEV 174.7M+ 6.0M

CO ORDINATES

LATITUDE 42-36-11 N

LONGITUDE 79-47-43 W SEQ 1

CONFIDENTIAL 1982 06 18

SPUDDED 1981 06 15

COMPLETED 1981 06 18

ABANDONED 1981 06 19

SPL TRAY No 6613 INDEX No 655

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 139.0					
LAKE / GROUND LEVEL			6.0	174.7	
DRIFT / LAKE BOTTOM			54.9		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	0.		
		MARCELLUS	0.		
		DUNDEE	0.		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	138.0		
		BOIS BLANC	149.8		
		BASS ISLANDS	161.5		
SILURIAN		G UNIT SHALE	183.8		
		F UNIT SHALE	189.1		
		E UNIT CARB	212.6		
		D UNIT SALT	0.		
		C UNIT SHALE	249.5		
		MARKER	256.7		
		B UNIT SALT	0.		
		ANHY	275.7		
		CARB	280.5		
		A-2 UNIT SALT	0.		
		ANHY	294.4		
		CARB	295.4		
		A-1 UNIT EVAP	0.		
	GUELPH		300.4		
	ERAMOSA				
	AMABEL	GOAT ISLAND	309.2		
		GASPORT	320.6		
		ROCHESTER	368.9		
		IRONDEQUOIT	384.0		
		REYNALES	385.3		
		THOROLD	388.7		
	CATARACT	GRIMSBY	391.0		
		CABOT HEAD	407.3		
		MANITOULIN	0.		
		WHIRLPOOL	428.0		
		QUEENSTON	431.3		
ORDOVICIAN		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 448.0 MDC ?

REMARKS

D UNIT EQU 244.3 B UNIT EQU 261.2 DE CEV 353.4

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
411.0-	SHOW	
433.0-	SHOW	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg m-3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3 d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
340MM	73.9KG	136.8	CEMENTED	
194MM	29.0KG	160.7	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
70.0- 451.0	GRNL	160.7- 454.2	DENL
160.7- 448.0	SONL	160.7- 448.0	LATL

CORING RECORD

CONDITION	CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
	NIL			

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATION(S) OPEN HOLE

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD POOL STATUS DRY HOLE -ABD
COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 68 CON V
WELL NAME: PEMBINA 83 LAKE ERIE 68-T PERMIT NO 9663
OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 464.5M PBTD
DRILLING CO PEMBINA DRILLIN CO RIG TYPE ROT ELEV 174.6M+ 6.3M
GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES
LATITUDE 42-36-10 N
LONGITUDE 79-45-43 W MAG 1
CONFIDENTIAL 1981 07 25
SPUDDED 1981 06 19
COMPLETED 1981 06 25
ABANDONED 1981 06 27
DPL TRAY No 6536 INDEX No 665

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 185.0					
LAKE / GROUND LEVEL			6.3	174.6	
DRIFT / LAKE BOTTOM			53.7		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS			
		DUNDEE			
	DETROIT RIVER	LUCAS	122.5		
		AMHERSTBURG	131.4		
		BOIS BLANC	154.5		
		BASS ISLANDS	174.1		
SILURIAN		G UNIT SHALE	191.8		
		F UNIT SHALE	197.8		
		E UNIT CARB	219.4		
		D UNIT SALT	0.		
		C UNIT SHALE	256.7		
		MARKER	265.9		
		B UNIT SALT	0.		
		ANHY	279.4		
		CARB	284.0		
		A-2 UNIT SALT	0.		
		ANHY	299.0		
		A-1 UNIT CARB	300.4		
		EVAP	0.		
	QUELPH		301.8		
	ERAMOSA		0.		
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER	371.1		
		IRONDEQUOIT	387.4		
		REYNALES	390.3		
		THOROLD	392.4		
	CATARACT	GRIMSBY	396.2		
		CABOT HEAD	411.1		
		MANITOULIN	0.		
		WHIRLPOOL	433.2		
ORDOVICIAN		QUEENSTON	435.6		
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 464.0 MOC 6

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	P PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	sg @ t
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
340MM	73.9KG	138.2	CEMENTED	52.7
194MM	29.0KG	182.2	CEMENTED	52.7

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
58.0- 464.2	CNFD	181.0- 464.2	DIL

CORING RECORD

CONDITION	STORED		ANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 251.6 B UNIT EQU 271.8 DE CEN 358.0
UPPER PICKS INTERPRETIVE, NO LOGS OR SAMPLES
CRITICAL MISSING SAMPLES
POOR AGREEMENT BETWEEN LOG & SAMPLES

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL m
PERFORATED FORMATIONS OPEN HOLE

DST(S) ON FILE TREATMENT

CLASS EXTEN FIELD POOL STATUS GAS PRODUCER
COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 69 CON B
WELL NAME PEMBINA 81 LAKE ERIE 69-B PERMIT NO 9607
OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 402.0M PBTD
DRILLING CO PEMBINA DRILLIN CO RIG TYPE ROT ELEV 174.6M+ 6.1M
GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES
LATITUDE 42-39-48 N
LONGITUDE 79-41-20 W MAG 1
CONFIDENTIAL 1982 05 14
SPUDDED 1981 05 14
COMPLETED 1981 05 19
ABANDONED
DPL TRAY No 7216 INDEX No 667

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 156.0					
LAKE GROUND LEVEL			6.1	174.6	
DRIFT LAKE BOTTOM			40.6		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS			
		DUNDEE			
	DETROIT RIVER	LUCAS			
		AMHERSTBURG			
		BOIS BLANC			
		BASS ISLANDS			
SILURIAN		G UNIT SHALE			
		F UNIT SHALE			
		E UNIT CARB	183.0		
		D UNIT SALT	0.		
		C UNIT SHALE	202.0		
		MARKER	211.6		
		B UNIT SALT	0.		
		ANHY	225.6		
		CARB	228.7		
		A-2 UNIT SALT	0.		
		ANHY	245.0		
		A-1 UNIT CARB	246.0		
		EVAP	0.		
	QUELPH				
	ERAMOSA		247.2		
	AMABEL	GOAT ISLAND	265.4		
		GASPORT	279.0		
		ROCHESTER	314.2		
		IRONDEQUOIT	334.7		
		REYNALES	337.0		
		THOROLD	339.6		
	CATARACT	GRIMSBY	341.0		
		CABOT HEAD	360.0		
		MANITOULIN	0.		
		WHIRLPOOL	379.0		
ORDOVICIAN		QUEENSTON	389.0		
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 402.0 MOC 6

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	P PRESSURE
376.0- 384.0	9013 M3/D	5499 KPA
350.0- 358.0	9827 M3/D	5091 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	sg @ t
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
340MM	90.8KG	112.5	CEMENTED	40.9
193MM	39.3KG	154.1	CEMENTED	40.9
114MM	14.1KG	399.2	CEMENTED	40.9
60MM	19.8KG	345.7	HANGING	40.9

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
152.2- 400.5	CNFD	152.2- 401.0	DIL
275.0- 388.0	CMPL		

CORING RECORD

CONDITION	STORED		ANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

FOSSIL NIL D. OVER BAT D. D UNIT EQU 195.8
B UNIT EQU 217.0 DE CEN 303.0
CRITICAL MISSING SAMPLES
POOR AGREEMENT BETWEEN LOG & SAMPLES
LOGS INCOMPLETE

FINAL RESULTS

OIL NIL
GAS 9827 M3/D
PRESSURE 5091 KPA
PRODUCING INTVL m 351.0- 352.0
351.0- 355.0
PERFORATED YES OPEN HOLE
FORMATIONS GRIMSBY

2 DST(S) ON FILE TREATMENT

WELL SUMMARY CARDS LISTED ALPHABETICALLY BY COUNTY & TOWNSHIP

CLASS DEVEL FIELD POOL STATUS GAS SHOW -ABD

COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 69 CON F

WELL NAME: PEMBINA #1 LAKE ERIE 69-F PERMIT NO 5667

OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 411.6M PBTD

DRILLING CO PEMBINA DRILLIN CO RIG TYPE ROT ELEV 174.7M+ 5.9M

GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES

LATITUDE 42-38-40 N

LONGITUDE 79-44-14 W SEQ 1

CONFIDENTIAL 1981 07 30

SPUDDED 1981 06 27

COMPLETED 1981 06 30

ABANDONED 1981 08 02

EPL TRAY No 4216 INDEX No 667

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 150.0					
LAKE / GROUND LEVEL			5.9	174.7	
DRIFT / LAKE BOTTOM			44.6		
DEVONIAN	PRT LAMBTON				
		KETTLE POINT			
	HAMILTON				
		MARCELLUS			
		DUNDEE			
	DETROIT RIVER	LUCAS	90.0		
		AMHERSTBURG			
		BOIS BLANC			
		BASS ISLANDS			
SILURIAN		G UNIT SHALE	153.0		
		F UNIT SHALE	158.8		
		E UNIT CARB	180.9		
		D UNIT SALT	0.		
		C UNIT SHALE	218.2		
		MARKER	227.1		
		B UNIT SALT	0.		
		ANHY	241.8		
		CARB	245.9		
		A-2 UNIT SALT	0.		
		ANHY	260.8		
		A-1 UNIT CARB	262.0		
		EVAP	0.		
	QUELPH				
	ERAMOSA		264.4		
	AMABEL	GOAT ISLAND	280.2		
		GASPORT	312.4		
		ROCHESTER	330.6		
		IRONDEQUOIT	348.8		
		REYNALES	351.6		
		THOROLD	353.6		
	CATARACT	GRIMSBY	355.0		
		CABOT HEAD	371.6		
		MANITOULIN	0.		
		WHIRLPOOL	393.8		
ORDOVICIAN	QUEENSTON		397.7		
	MEAFORD DUNDAS				
	COLLINGWOOD				
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 410.0 MOC

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	BH PRESSURE
361.0- 371.0	476 M3/D	4705 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	sg m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3 d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
340MM	71.4KG	106.2	CEMENTED	
194MM	39.3KG	155.3	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
153.9- 410.0	CNFD	153.9- 410.0	DIL

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 213.3 B UNIT EQU 233.1 DE CEM 322.2

UPPER PICKS INTERPRETIVE, NO LOGS OR SAMPLES

CRITICAL MISSING SAMPLES

POOR SAMPLES QUALITY

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

1 DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD POOL STATUS GAS PRODUCER

COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 69 CON J

WELL NAME PEMBINA #2 LAKE ERIE 69-J PERMIT NO 5712

OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 416.0M PBTD 403.1M

DRILLING CO PEMBINA DRILLIN CO RIG TYPE ROT ELEV 174.7M+ 5.7M

GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES

LATITUDE 42-38-40 N

LONGITUDE 79-40-43 W SEQ 1

CONFIDENTIAL 1981 09 01

SPUDDED 1981 08 01

COMPLETED 1981 08 04

ABANDONED

EPL TRAY No 3108 INDEX No 671

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 154.0					
LAKE / GROUND LEVEL			5.7	174.7	
DRIFT / LAKE BOTTOM			40.6		
DEVONIAN	PRT LAMBTON				
		KETTLE POINT			
	HAMILTON				
		MARCELLUS			
		DUNDEE	89.2		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	101.4		
		BOIS BLANC	121.7		
		BASS ISLANDS	136.6		
SILURIAN		G UNIT SHALE	147.8		
		F UNIT SHALE	156.4		
		E UNIT CARB	177.8		
		D UNIT SALT	0.		
		C UNIT SHALE	214.9		
		MARKER	224.4		
		B UNIT SALT	0.		
		ANHY	238.4		
		CARB	243.7		
		A-2 UNIT SALT	0.		
		ANHY	256.4		
		A-1 UNIT CARB	258.2		
		EVAP	0.		
	QUELPH				
	ERAMOSA		259.1		
	AMABEL	GOAT ISLAND	272.9		
		GASPORT	332.2		
		ROCHESTER	328.9		
		IRONDEQUOIT	347.8		
		REYNALES	350.5		
		THOROLD	352.6		
	CATARACT	GRIMSBY	354.0		
		CABOT HEAD	371.9		
		MANITOULIN	0.		
		WHIRLPOOL	391.8		
ORDOVICIAN	QUEENSTON		395.6		
	MEAFORD DUNDAS				
	COLLINGWOOD				
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 394.0 MOC

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	BH PRESSURE
349.0-	SHOW	
392.0-	SHOW	
390.0- 397.0	6367 M3/D	5607 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	sg m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3 d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
340MM	71.4KG	102.2	CEMENTED	
193MM	39.3KG	151.7	CEMENTED	
114MM	14.1KG	411.7	CEMENTED	
60MM		387.6	HANGING	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
151.7- 415.2	CNFD	151.7- 415.2	DIL
286.1- 402.7	CNPL		

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 210.3 B UNIT EQU 230.4

CRITICAL MISSING SAMPLES

UPPER PICKS INTERPRETIVE, NO LOGS OR SAMPLES

FINAL RESULTS

OIL NIL

GAS 6400 M3/D

PRESSURE 5493 KPA

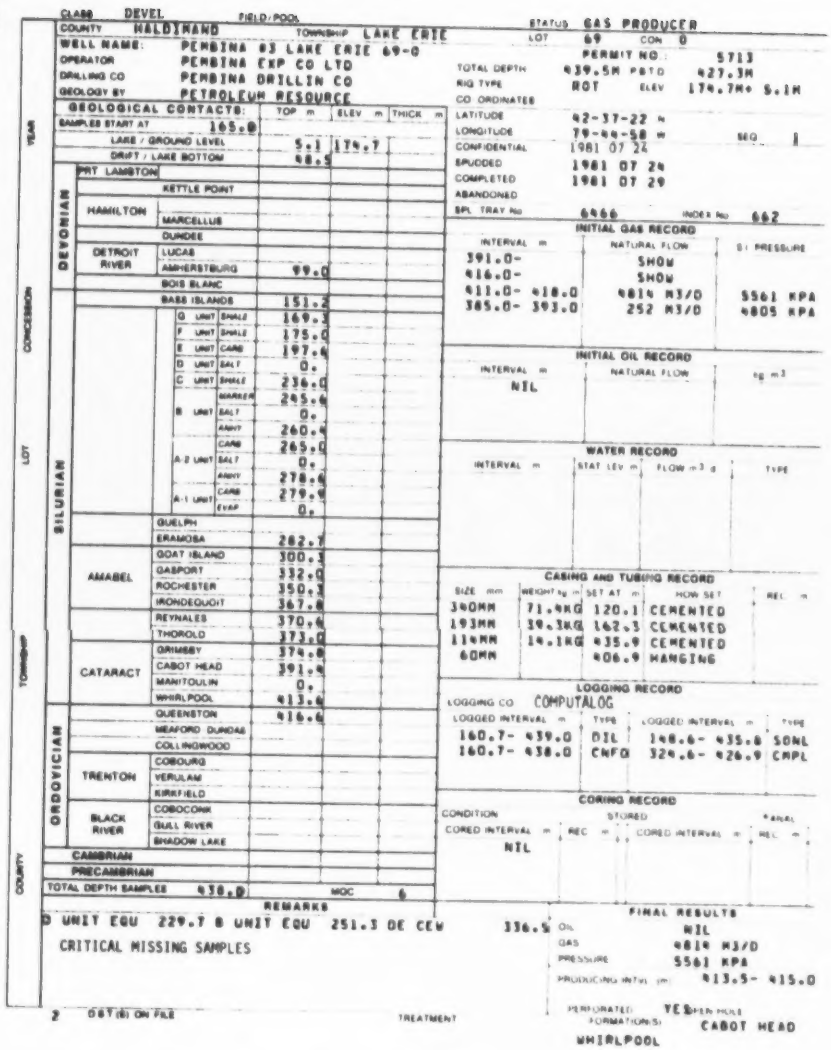
PRODUCING INTVL (m) 390.0- 397.0

PERFORATED YES OPEN HOLE

FORMATION(S) CABOT HEAD QUEENSTON

1 DST(S) ON FILE TREATMENT CONF

HALDIMAND COUNTY



CLASS DEVEL FIELD/POOL STATUS GAS PRODUCER
COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 69 CON 0
WELL NAME: PEMBINA #3 LAKE ERIE 69-0 PERMIT NO: 5713
OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 439.5M PBTD 427.3M
DRILLING CO PEMBINA DRILLIN CO RIG TYPE ROT ELEV 174.7M+ 5.1M
GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES
LATITUDE 42-37-22 N
LONGITUDE 79-44-58 W MEQ 1
CONFIDENTIAL 1981 07 24
SPUDDED 1981 07 24
COMPLETED 1981 07 29
ABANDONED
SPL TRAY No 6466 INDEX No 662

GEOLOGICAL CONTACTS: TOP m | ELEV m | THICK m
SAMPLES START AT 165.0
LAKE / GROUND LEVEL 5.1 | 174.7
DRIFT / LAKE BOTTOM 48.5

			TOP m	ELEV m	THICK m
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS			
		DUNDEE			
	DETROIT RIVER	LUCAS			
		AMHERSTBURG	99.0		
		BOIS BLANC			
		BASS ISLANDS	151.2		
SILURIAN		G UNIT SHALE	169.2		
		F UNIT SHALE	175.0		
		E UNIT CARB	197.4		
		D UNIT SALT	0.		
		C UNIT SHALE	236.0		
		MARKER	245.6		
		B UNIT SALT	0.		
		ANHY	260.4		
		CARB	265.0		
		A-2 UNIT SALT	0.		
		ANHY	278.6		
		CARB	279.9		
		A-1 UNIT EVAP	0.		
	GUELPH				
	ERAMOSA		282.7		
	AMABEL	GOAT ISLAND	300.3		
		GASPORT	332.0		
		ROCHESTER	350.3		
		IRONDEQUOIT	367.8		
		REYNALES	370.4		
		THOROLD	373.0		
	CATARACT	GRIMSBY	374.8		
		CABOT HEAD	391.9		
		MANITOULIN	0.		
		WHIRLPOOL	413.6		
ORDOVICIAN		QUEENSTON	416.6		
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 438.0 MOC 6

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
391.0-	SHOW	
416.0-	SHOW	
411.0- 418.0	4814 M3/D	5561 KPA
385.0- 393.0	252 M3/D	4805 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	sg m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
340MM	71.4KG	120.1	CEMENTED	
193MM	39.3KG	162.5	CEMENTED	
114MM	14.1KG	435.9	CEMENTED	
60MM		406.9	HANGING	

LOGGING RECORD

LOGGING CO COMPUTALOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
160.7- 439.0	DIL	148.6- 435.8	SONL
160.7- 438.0	CNFD	324.6- 426.9	CMPL

CORING RECORD

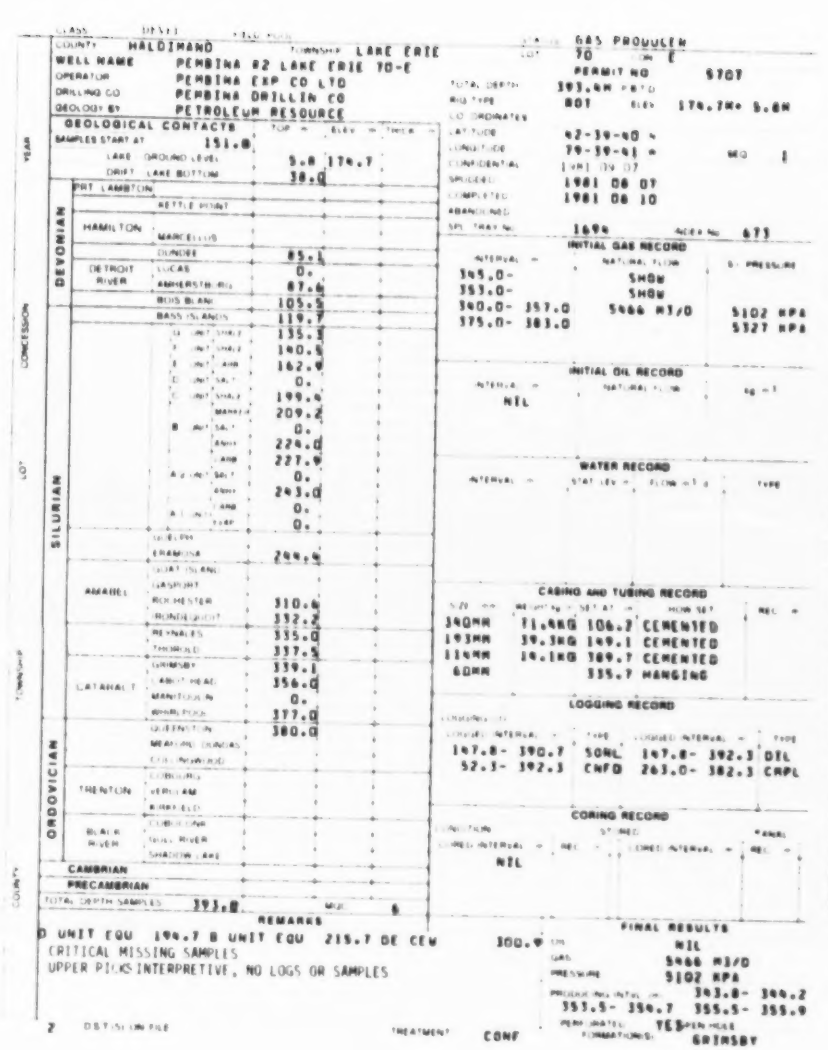
CONDITION STORED

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS
D UNIT EQU 229.7 B UNIT EQU 251.3 DE CEW 336.5
CRITICAL MISSING SAMPLES

FINAL RESULTS
OIL NIL
GAS 4814 M3/D
PRESSURE 5561 KPA
PRODUCING INTVL (m) 413.5- 415.0
PERFORATED YES OPEN HOLE
FORMATIONS CABOT HEAD WHIRLPOOL

2 DST(S) ON FILE TREATMENT



CLASS DEVEL FIELD/POOL STATUS GAS PRODUCER
COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 70 CON E
WELL NAME PEMBINA #2 LAKE ERIE 70-E PERMIT NO 5707
OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 393.6M PBTD
DRILLING CO PEMBINA DRILLIN CO RIG TYPE ROT ELEV 174.7M+ 5.6M
GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES
LATITUDE 42-39-40 N
LONGITUDE 79-39-41 W MEQ 1
CONFIDENTIAL 1981 09 07
SPUDDED 1981 08 07
COMPLETED 1981 08 10
ABANDONED
SPL TRAY No 1696 INDEX No 673

GEOLOGICAL CONTACTS: TOP m | ELEV m | THICK m
SAMPLES START AT 151.8
LAKE / GROUND LEVEL 5.8 | 174.7
DRIFT / LAKE BOTTOM 38.0

			TOP m	ELEV m	THICK m
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS			
		DUNDEE	85.1		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	87.6		
		BOIS BLANC	105.5		
		BASS ISLANDS	119.7		
SILURIAN		G UNIT SHALE	135.5		
		F UNIT SHALE	140.5		
		E UNIT CARB	162.9		
		D UNIT SALT	0.		
		C UNIT SHALE	199.6		
		MARKER	209.2		
		B UNIT SALT	0.		
		ANHY	224.0		
		CARB	227.9		
		A-2 UNIT SALT	0.		
		ANHY	243.0		
		CARB	0.		
		A-1 UNIT EVAP	0.		
	GUELPH				
	ERAMOSA		294.9		
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER	310.6		
		IRONDEQUOIT	332.2		
		REYNALES	335.0		
		THOROLD	337.4		
	CATARACT	GRIMSBY	339.1		
		CABOT HEAD	356.0		
		MANITOULIN	0.		
		WHIRLPOOL	377.0		
ORDOVICIAN		QUEENSTON	380.0		
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 393.8 MOC 6

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
345.0-	SHOW	
353.0-	SHOW	
340.0- 357.0	5466 M3/D	5102 KPA
375.0- 383.0		5327 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	sg m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
340MM	71.4KG	106.2	CEMENTED	
193MM	39.3KG	149.1	CEMENTED	
114MM	14.1KG	389.7	CEMENTED	
60MM		335.7	HANGING	

LOGGING RECORD

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
167.8- 390.7	SONL	167.8- 392.3	DIL
52.3- 392.3	CNFD	263.0- 382.3	CMPL

CORING RECORD

CONDITION STORED

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS
D UNIT EQU 194.7 B UNIT EQU 215.7 DE CEW 300.9
CRITICAL MISSING SAMPLES
UPPER PICKS INTERPRETIVE, NO LOGS OR SAMPLES

FINAL RESULTS
OIL NIL
GAS 5466 M3/D
PRESSURE 5102 KPA
PRODUCING INTVL (m) 383.8- 384.2
353.5- 356.7 355.5- 355.9
PERFORATED YES OPEN HOLE
FORMATIONS GRIMSBY

2 DST(S) ON FILE TREATMENT CONF

CLASS NFW FIELD POOL STATUS GAS PRODUCER

COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 70 CON 9

WELL NAME PEMBINA #4 LAKE ERIE 70-9 PERMIT NO 5686

OPERATOR PEMBINA EXP CO LTD

DRILLING CO PEMBINA DRILLIN CO

GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 465.0M PBTD

RIG TYPE ROT ELEV 176.7M+ 6.3M

CO-ORDINATES

LATITUDE 42-36-18 N

LONGITUDE 79-38-18 W WELL 1

CONFIDENTIAL 1982 08 13

SPUDDED 1981 08 09

COMPLETED 1981 08 13

ABANDONED

SPL TRAY No. RECD No.

GEOLOGICAL CONTACTS — SAMPLES START AT 205.0

			TOP m	ELEV m	THICK m
		LAKE GROUND LEVEL		176.7	
		DRIFT - LAKE BOTTOM	56.2		
DEVONIAN	PRT LAMBTON				
		KETTLE POINT			
	HAMILTON	MARCELLUS			
		DUNDEE	145.8		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	157.5		
		BOIS BLANC	172.7		
		BASS ISLANDS	186.0		
SILURIAN		G UNIT SHALE	201.9		
		F UNIT SHALE	206.9		
		E UNIT LIME	227.1		
		D UNIT SALT	0.		
		C UNIT SHALE	266.2		
		WARREN	276.9		
		B UNIT SALT	0.		
		ANHY	292.0		
		CARB	296.1		
		A2 UNIT SALT	0.		
		ANHY	308.0		
		LIME	0.		
		A1 UNIT DOLO			
	GUELPH		309.8		
	ERAMOSA				
	AMABEL	GOAT ISLAND	356.8		
		GASPORT	366.3		
		ROCHESTER	398.2		
		IRONDEQUOIT	401.0		
	REYNALES				
	THOROLD		405.0		
	CATARACT	GRIMSBY			
		CABOT HEAD	0.		
		MANITOULIN	445.0		
		WHIRLPOOL	448.0		
ORDOVICIAN	QUEENSTON				
	MEAFORD DUNDAS				
	COLLINGWOOD				
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 457.0 MDC 6

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S. PRESSURE
409.0-	SHOW	
416.0-	SHOW	
413.0- 427.0	3059 M3/D	5084 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	Kg m-3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3 d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m-1	SET AT m	HOW SET	REC m
340MM	79.0KG	144.3	CEMENTED	
194MM	29.0KG	198.1	CEMENTED	
114MM	14.0KG	461.2	CEMENTED	
60MM		411.2	HANGING	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
197.5- 464.5	SONL	197.5- 465.2	DIL
50.0- 465.2	CNFD	339.4- 450.0	CNPL

CORING RECORD

CONDITION	STORED	ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 201.5 B UNIT EQU 282.4 DE CEW 379.9
FOSSIL HIL 403.5 DYER BAY 425.8
POOR AGREEMENT BETWEEN LOG & SAMPLES
CRITICAL MISSING SAMPLES
POOR SAMPLES QUALITY

FINAL RESULTS

OIL NIL
GAS 3059 M3/D
PRESSURE 5084 KPA
PRODUCING INTVL m 414.7- 415.2
420.5- 421.0 423.0- 423.7
PERFORATED YES OPEN HOLE
FORMATION(S) THOROLD

1 DST(S) ON FILE TREATMENT

CLASS NEW FIELD POOL STATUS TEST HOLE

COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 71 CON 9

WELL NAME PEMBINA #4 LAKE ERIE 71-C PERMIT NO 5660

OPERATOR PEMBINA EXPLORATION CO.

DRILLING CO PEMBINA DRILLING CO

GEOLOGY BY PETROLEUM RESOURCES

TOTAL DEPTH 165.5M PBTD

RIG TYPE ROT ELEV 174.7M+ 6.3M

CO-ORDINATES

LATITUDE 42-39-15 N

LONGITUDE 79-32-15 W WELL 1

CONFIDENTIAL 1982 08 28

SPUDDED 1981 08 28

COMPLETED 1981 08 28

ABANDONED

SPL TRAY No. RECD No.

GEOLOGICAL CONTACTS — SAMPLES START AT

			TOP m	ELEV m	THICK m
		LAKE GROUND LEVEL		6.3	
		DRIFT - LAKE BOTTOM	36.6		
DEVONIAN	PRT LAMBTON				
		KETTLE POINT			
	HAMILTON	MARCELLUS			
		DUNDEE	128.0		
	DETROIT RIVER	LUCAS			
		AMHERSTBURG			
		BOIS BLANC			
		BASS ISLANDS			
SILURIAN		G UNIT SHALE			
		F UNIT SHALE			
		E UNIT LIME			
		D UNIT SALT			
		C UNIT SHALE			
		WARREN			
		B UNIT SALT			
		ANHY			
		CARB			
		A2 UNIT SALT			
		ANHY			
		LIME			
		A1 UNIT DOLO			
	GUELPH				
	ERAMOSA				
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
	REYNALES				
	THOROLD				
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN	QUEENSTON				
	MEAFORD DUNDAS				
	COLLINGWOOD				
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES MDC

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S. PRESSURE
129.0 -		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	Kg m-3

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3 d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m-1	SET AT m	HOW SET	REC m

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION	STORED	ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

NO SAMPLES
NO LOGS

FINAL RESULTS

OIL
GAS
PRESSURE
PRODUCING INTVL m
PERFORATED OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS NFW FIELD POOL STATUS LOST HOLE -ABD

COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 71 CON C

WELL NAME: PEMBINA #4A LAKE ERIE 71-C PERMIT NO 5660

OPERATOR PEMBINA EXPLORATION CO.

DRILLING CO PEMBINA DRILLING CO.

GEOLOGY BY PETROLEUM RESOURCES

TOTAL DEPTH 140.0M PBTD

RIG TYPE ROT ELEV 174.7M+ 6.3M

CO ORDINATES

LATITUDE 42-39-14 N

LONGITUDE 79-32-16 W SEQ 1

CONFIDENTIAL 1982 09 26

SPUDDED 1981 09 26

COMPLETED 1981 09 26

ABANDONED 1981 10 08

SPL TRAY No INDEX No

GEOLOGICAL CONTACTS

		TOP m	ELEV m	THICK m
SAMPLES START AT				
LAKE GROUND LEVEL		6.3		
DRIFT LAKE BOTTOM		36.4		
DEVONIAN	PRT LAMBTON			
	HAMILTON — KETTLE POINT			
	HAMILTON — MARCELLUS			
	HAMILTON — DUNDEE			
	DETROIT RIVER — LUCAS			
	DETROIT RIVER — AMHERSTBURG			
	BOIS BLANC			
	BASS ISLANDS			
SILURIAN	G UNIT — SHALE			
	F UNIT — SHALE			
	E UNIT — CARB			
	D UNIT — SALT			
	C UNIT — SHALE			
	MARKER			
	B UNIT — SALT			
	ANHY			
	CARB			
	A 2 UNIT — SALT			
	ANHY			
	CARB			
	A 1 UNIT — EVAP			
	GUELPH			
	ERAMOSA			
	AMABEL — GOAT ISLAND			
	AMABEL — GASPORT			
	AMABEL — ROCHESTER			
	AMABEL — IRONDEQUOIT			
	REYNALES			
	THOROLD			
	CATARACT — GRIMSBY			
	CATARACT — CABOT HEAD			
	CATARACT — MANITOULIN			
	CATARACT — WHIRLPOOL			
ORDOVICIAN	QUEENSTON			
	MEAFORD DUNDAS			
	COLLINGWOOD			
	TRENTON — COBOURG			
	TRENTON — VERULAM			
	TRENTON — KIRKFIELD			
	BLACK RIVER — COBOCONK			
	BLACK RIVER — GULL RIVER			
	BLACK RIVER — SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				
TOTAL DEPTH SAMPLES m		MOC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
NIL			

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
NIL				

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION STORED

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

NO SAMPLES

FINAL RESULTS

OIL

GAS

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATION(S) OPEN HOLE

D&T(S) ON FILE TREATMENT

CLASS NFW FIELD POOL STATUS GAS SHOW -ABD

COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 72 CON 6

WELL NAME: PEMBINA #1 LAKE ERIE 72-6 PERMIT NO 5659

OPERATOR PEMBINA EXP CO LTD

DRILLING CO PEMBINA DRILLIN CO

GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 455.3M PBTD

RIG TYPE ROT ELEV 174.7M+ 6.3M

CO ORDINATES

LATITUDE 42-38-45 N

LONGITUDE 79-28-15 W SEQ 1

CONFIDENTIAL 1982 08 27

SPUDDED 1981 08 24

COMPLETED 1981 08 27

ABANDONED 1981 08 27

SPL TRAY No 5576 INDEX No 679

GEOLOGICAL CONTACTS

		TOP m	ELEV m	THICK m
SAMPLES START AT		196.8		
LAKE GROUND LEVEL		6.3	174.7	
DRIFT LAKE BOTTOM		35.7		
DEVONIAN	PRT LAMBTON			
	HAMILTON — KETTLE POINT			
	HAMILTON — MARCELLUS			
	HAMILTON — DUNDEE			
	DETROIT RIVER — LUCAS			
	DETROIT RIVER — AMHERSTBURG	146.3		
	BOIS BLANC	160.2		
	BASS ISLANDS	173.0		
SILURIAN	G UNIT — SHALE	187.2		
	F UNIT — SHALE	192.0		
	E UNIT — CARB	213.7		
	D UNIT — SALT	0.		
	C UNIT — SHALE	252.0		
	MARKER	262.3		
	B UNIT — SALT	0.		
	ANHY	278.3		
	CARB	282.4		
	A 2 UNIT — SALT	0.		
	ANHY	0.		
	CARB	293.6		
	A 1 UNIT — EVAP	0.		
	GUELPH	0.		
	ERAMOSA	295.6		
	AMABEL — GOAT ISLAND	0.		
	AMABEL — GASPORT	339.9		
	AMABEL — ROCHESTER	368.0		
	AMABEL — IRONDEQUOIT	384.6		
	REYNALES	386.9		
	THOROLD	0.		
	CATARACT — GRIMSBY	390.0		
	CATARACT — CABOT HEAD	405.3		
	CATARACT — MANITOULIN	0.		
	CATARACT — WHIRLPOOL	428.0		
ORDOVICIAN	QUEENSTON	432.6		
	MEAFORD DUNDAS			
	COLLINGWOOD			
	TRENTON — COBOURG			
	TRENTON — VERULAM			
	TRENTON — KIRKFIELD			
	BLACK RIVER — COBOCONK			
	BLACK RIVER — GULL RIVER			
	BLACK RIVER — SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				
TOTAL DEPTH SAMPLES	452.0	MOC	6	

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE
398.0-	SHOW	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
340MM	79.0KG	143.8	CEMENTED	
194MM	39.0KG	192.7	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
192.0- 455.0	DIL	27.2- 455.2	CNFD
192.0- 453.8	SONL		

CORING RECORD

CONDITION STORED

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 246.4 B UNIT EQU 268.8 DE CEW 354.0

CRITICAL MISSING SAMPLES

UPPER PICKS INTERPRETIVE, NO LOGS OR SAMPLES

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATION(S) OPEN HOLE

D&T(S) ON FILE TREATMENT

CLASS NPW FIELD/POOL STATUS GAS SHOW -ABD

COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 85 CON 6

WELL NAME: PEMBINA #2 LAKE ERIE 85-G PERMIT NO 5685

OPERATOR PEMBINA EXPLORATION TOTAL DEPTH 495.0M PBTD

DRILLING CO PEMBINA DRILLING RIG TYPE ROT ELEV 174.7M+ 6.3M

GEOLOGY BY PETROLEUM RESOURCES CO ORDINATES

LATITUDE 42-33-45 N

LONGITUDE 79-42-45 W SEQ 1

CONFIDENTIAL 1982 08 21

SPUDDED 1981 08 16

COMPLETED 1981 08 21

ABANDONED 1981 08 20

SPL TRAY No 5539 INDEX No 680

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT			206.0m		
LAKE / GROUND LEVEL			6.3		
DRIFT / LAKE BOTTOM			61.9		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	0.		
		MARCELLUS	0.		
		DUNDEE	138.6		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	158.5		
		BOIS BLANC	182.5		
		BASS ISLANDS	199.0		
SILURIAN		G UNIT SHALE	223.3		
		F UNIT SHALE	229.9		
		E UNIT CARB	252.1		
		D UNIT SALT	0.		
		C UNIT SHALE	289.8		
		MARKER	299.4		
		B UNIT SALT	0.		
		ANHY	316.4		
		CARB	321.3		
		A-2 UNIT SALT	0.		
		ANHY	334.4		
		CARB	335.6		
		A-1 UNIT EVAP	0.		
	GUELPH		341.4		
	ERAMOSA		0		
	AMABEL	GOAT ISLAND	348.7		
		GASPORT	370.6		
		ROCHESTER	409.4		
		IRONDEQUOIT	424.8		
		REYNALES	427.3		
		THOROLD	429.8		
	CATARACT	GRIMSBY	432.9		
		CABOT HEAD	450.4		
		MANITOULIN	0.		
		WHIRLPOOL	470.7		
ORDOVICIAN	QUEENSTON		475.6		
	MEAFORD-DUNDAS				
	COLLINGWOOD				
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 454.0m MQC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE
446.0 -	SHOW	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
NIL			

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
340MM	89.0KG	155.5	CEMENTED	61.5
194MM	39.0KG	202.8	CEMENTED	61.5

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
67.5 - 495.3	GRNL	67.5 - [illegible]	DE
67.5 - 495.3	CALP	202.4 - [illegible]	
202.4 - 493.0	SONL		

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 284.4 B UNIT EQU 306.5 DECEW 396.6

FOSSIL HIL 0. DYER BAY 0.

FINAL RESULTS

OIL

GAS

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

D&T(S) ON FILE TREATMENT

CLASS NPW FIELD/POOL STATUS GAS SHOW -ABD

COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 86 CON F

WELL NAME PEMBINA #3 LAKE ERIE 86-F PERMIT NO 5639

OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 484.6M PBTD

DRILLING CO PEMBINA DRILLIN CO RIG TYPE ROT ELEV 174.7M+ 6.3M

GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES

LATITUDE 42-33-15 N

LONGITUDE 79-49-45 W SEQ 1

CONFIDENTIAL 1982 07 12

SPUDDED 1981 07 08

COMPLETED 1981 07 12

ABANDONED 1981 07 12

SPL TRAY No 7220 INDEX No 653

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT			203.0		
LAKE GROUND LEVEL			6.3	174.7	
DRIFT LAKE BOTTOM			62.7		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	0.		
		MARCELLUS	0.		
		DUNDEE	129.3		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	146.0		
		BOIS BLANC	173.9		
		BASS ISLANDS	188.3		
SILURIAN		G UNIT SHALE	216.6		
		F UNIT SHALE	222.8		
		E UNIT CARB	244.6		
		D UNIT SALT	0.		
		C UNIT SHALE	280.4		
		MARKER	290.4		
		B UNIT SALT	0.		
		ANHY	306.5		
		CARB	311.1		
		A-2 UNIT SALT	0.		
		ANHY	324.2		
		CARB	325.3		
		A-1 UNIT EVAP	0.		
	GUELPH		330.3		
	ERAMOSA				
	AMABEL	GOAT ISLAND	339.5		
		GASPORT	356.8		
		ROCHESTER	400.7		
		IRONDEQUOIT	414.0		
		REYNALES	416.9		
		THOROLD	419.0		
	CATARACT	GRIMSBY	420.3		
		CABOT HEAD	439.6		
		MANITOULIN	0.		
		WHIRLPOOL	459.7		
ORDOVICIAN	QUEENSTON		463.2		
	MEAFORD-DUNDAS				
	COLLINGWOOD				
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 464.0 MQC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE
430.0-	SHOW	
426.0- 438.0	487 M3/D	4972 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
339MM	79.0KG	143.4	CEMENTED	
193MM	29.0KG	200.2	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
72.2- 483.9	GRNL	72.2- 483.9	DENL
72.2- 483.9	CALP	199.0- 484.0	LATL

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 275.5 B UNIT EQU 295.4 DE CEV 387.2

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

D&T(S) ON FILE TREATMENT

CLASS NFW FIELD/POOL STATUS GAS SHOW -ABD
COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 86 CON N
WELL NAME: PEMBINA #4 LAKE ERIE 86-N PERMIT NO.: 5711
OPERATOR PEMBINA EXP CO LTD
DRILLING CO PEMBINA DRILLIN CO
GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 490.0M PBTD
RIG TYPE ROT ELEV 174.6M+ 6.4M
CO-ORDINATES
LATITUDE 42-32-15 N
LONGITUDE 79-48-15 W SEQ 1
CONFIDENTIAL 1982 08 04
SPUDDED 1981 08 01
COMPLETED 1981 08 04
ABANDONED 1981 08 06
SPL TRAY No 7593 INDEX No 681

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 211.0					
LAKE / GROUND LEVEL			6.4	174.6	
DRIFT / LAKE BOTTOM			63.1		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	0.		
		MARCELLUS	0.		
		DUNDEE	133.2		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	143.2		
		BOIS BLANC	171.6		
		BASS ISLANDS	186.3		
SILURIAN		G UNIT SHALE	215.6		
		F UNIT SHALE	222.2		
		E UNIT CARB	247.9		
		D UNIT SALT	0.		
		C UNIT SHALE	287.7		
		MARKER	294.7		
		B UNIT SALT	0.		
		ANHY	314.1		
		CARB	316.8		
		A-2 UNIT SALT	0.		
		ANHY	332.3		
		CARB	333.2		
		A-1 UNIT EVAP	0.		
		GUELPH	336.2		
		ERAMOSA			
	AMABEL	GOAT ISLAND	345.0		
		GASPORT	369.0		
		ROCHESTER	412.8		
		IRONDEQUOIT	422.8		
		REYNALES	424.4		
		THOROLD	427.0		
	CATARACT	GRIMSBY	428.9		
		CABOT HEAD	447.0		
		MANITOULIN	0.		
		WHIRLPOOL	468.7		
ORDOVICIAN		QUEENSTON	472.1		
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 456.0			MOC	7	

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
435.0- 432.0- 444.0	SHOW 782 M3/D	5283 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
340MM	79.0KG	151.7	CEMENTED	63.1
193MM	29.0KG	205.1	CEMENTED	63.1

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS
0 UNIT EQU 283.3 B UNIT EQU 301.2 DE CEV 397.4

FINAL RESULTS
OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS DRY HOLE -ABD
COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 87 CON E
WELL NAME: PEMBINA #1 LAKE ERIE 87-E PERMIT NO.: 5706
OPERATOR PEMBINA EXP CO LTD
DRILLING CO PEMBINA DRILLIN CO
GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 465.0M PBTD
RIG TYPE ROT ELEV 174.7M+ 6.1M
CO-ORDINATES
LATITUDE 42-34-45 N
LONGITUDE 79-54-15 W SEQ 1
CONFIDENTIAL 1981 08 16
SPUDDED 1981 07 13
COMPLETED 1981 07 16
ABANDONED 1981 07 16
SPL TRAY No 4217 INDEX No 668

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 187.0					
LAKE / GROUND LEVEL			6.1	174.7	
DRIFT / LAKE BOTTOM			60.2		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	0.		
		MARCELLUS	0.		
		DUNDEE	117.0		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	137.2		
		BOIS BLANC	165.4		
		BASS ISLANDS	175.5		
SILURIAN		G UNIT SHALE	197.0		
		F UNIT SHALE	203.0		
		E UNIT CARB	225.4		
		D UNIT SALT	0.		
		C UNIT SHALE	261.7		
		MARKER	270.6		
		B UNIT SALT	0.		
		ANHY	284.6		
		CARB	289.8		
		A-2 UNIT SALT	0.		
		ANHY	302.7		
		CARB	303.2		
		A-1 UNIT EVAP	0.		
		GUELPH	307.5		
		ERAMOSA			
	AMABEL	GOAT ISLAND	327.4		
		GASPORT	336.3		
		ROCHESTER	382.2		
		IRONDEQUOIT	394.7		
		REYNALES	396.1		
		THOROLD	397.5		
	CATARACT	GRIMSBY	399.2		
		CABOT HEAD	419.7		
		MANITOULIN	0.		
		WHIRLPOOL	439.0		
ORDOVICIAN		QUEENSTON	442.4		
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 463.0			MOC	7	

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
340MM	79.0KG	135.5	CEMENTED	62.0
193MM	27.0KG	184.2	CEMENTED	62.0

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
182.0- 464.7	GRNL	182.0- 464.7	DENL
182.0- 464.7	CALP	182.0- 464.7	LATL

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS
0 UNIT EQU 256.5 B UNIT EQU 276.7 DE CEV 370.8

FINAL RESULTS
OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS NFW FIELD/POOL STATUS GAS SHOW -ABD

COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 87 CON 5

WELL NAME: PEMBINA #1 LAKE ERIE 87-S PERMIT NO.: 5709

OPERATOR PEMBINA EXP CO LTD

DRILLING CO PEMBINA DRILLIN CO

GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 504.7M PBTD

RIG TYPE ROT ELEV 174.7M+ 6.2M

CO-ORDINATES

LATITUDE 42-31-45 N

LONGITUDE 79-51-15 W SEQ 1

CONFIDENTIAL 1982 07 21

SPUDDED 1981 07 17

COMPLETED 1981 07 21

ABANDONED 1981 07 21

SPL TRAY No 3153 INDEX No 657

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 221.0					
LAKE / GROUND LEVEL			6.2	174.7	
DRIFT / LAKE BOTTOM					
DEVONIAN	PRT LAMBTON				
		KETTLE POINT			
	HAMILTON				
		MARCELLUS			
		DUNDEE	155.0		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	172.4		
		BOIS BLANC	190.7		
		BASS ISLANDS	204.7		
SILURIAN		Q UNIT SHALE	230.6		
		F UNIT SHALE	236.8		
		E UNIT CARB	259.6		
		D UNIT SALT	0.		
		C UNIT SHALE	296.9		
		MARKER	306.9		
		B UNIT SALT	0.		
		ANHY	321.0		
		CARB	325.9		
		A-2 UNIT SALT	0.		
		ANHY	340.0		
		CARB	0.		
		A-1 UNIT EVAP	0.		
	GUELPH				
	ERAMOSA		341.2		
	AMABEL	GOAT ISLAND	359.1		
		GASPORT	373.6		
		ROCHESTER	420.4		
		IRONDEQUOIT	429.6		
		REYNALES	432.9		
		THOROLD	435.0		
	CATARACT	GRIMSBY	436.0		
		CABOT HEAD	455.4		
		MANITOULIN	0.		
		WHIRLPOOL	476.2		
ORDOVICIAN		QUEENSTON	478.5		
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 503.0 MOC

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
435.0-	SHOW	
478.0-	SHOW	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
340MM	79.0KG	168.7	CEMENTED	
193MM	27.0KG	217.4	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
67.0- 504.3	CNFD	217.5- 504.0	DIL
217.5- 501.3	SONL		

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 291.7 B UNIT EQU 312.8 DE CEW 399.0

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

D&T(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS GAS SHOW -ABD

COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 88 CON 8

WELL NAME: PEMBINA #2 LAKE ERIE 88-B PERMIT NO.: 5642

OPERATOR PEMBINA EXP CO LTD

DRILLING CO PEMBINA DRILLIN CO

GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 470.0M PBTD

RIG TYPE ROT ELEV 174.7M+ 6.1M

CO-ORDINATES

LATITUDE 42-34-45 N

LONGITUDE 79-56-45 W SEQ 1

CONFIDENTIAL 1981 07 09

SPUDDED 1981 06 04

COMPLETED 1981 06 09

ABANDONED 1981 06 09

SPL TRAY No 7691 INDEX No 658

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 185.0					
LAKE / GROUND LEVEL			6.1	174.7	
DRIFT / LAKE BOTTOM			58.1		
DEVONIAN	PRT LAMBTON		0.		
		KETTLE POINT	0.		
	HAMILTON		0.		
		MARCELLUS	0.		
		DUNDEE	0.		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	112.8		
		BOIS BLANC	159.3		
		BASS ISLANDS	171.4		
SILURIAN		Q UNIT SHALE	192.7		
		F UNIT SHALE	199.4		
		E UNIT CARB	221.5		
		D UNIT SALT	0.		
		C UNIT SHALE	257.5		
		MARKER	269.9		
		B UNIT SALT	0.		
		ANHY	279.9		
		CARB	284.2		
		A-2 UNIT SALT	0.		
		ANHY	296.4		
		CARB	298.3		
		A-1 UNIT EVAP	0.		
	GUELPH		302.1		
	ERAMOSA				
	AMABEL	GOAT ISLAND	308.7		
		GASPORT	326.0		
		ROCHESTER	379.8		
		IRONDEQUOIT	0.		
		REYNALES	392.2		
		THOROLD	394.9		
	CATARACT	GRIMSBY	396.4		
		CABOT HEAD	413.0		
		MANITOULIN	0.		
		WHIRLPOOL	434.5		
ORDOVICIAN		QUEENSTON	440.3		
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 453.0 MOC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
145.0-	SHOW	
222.0-	SHOW	
397.2- 413.0	SHOW	
399.0- 414.0	793 M3/D	4663 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
340MM		139.5	CEMENTED	
194MM		179.8	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
180.0- 470.2	GRNL	180.0- 470.2	DENL
180.0- 470.2	CALP	180.0- 470.2	IES

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 251.4 B UNIT EQU 271.3 DE CEW 366.3

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

D&T(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS GAS SHOW -ABD

COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 88 CON E

WELL NAME: PEMBINA #3 LAKE ERIE 88-E PERMIT NO.: 5699

OPERATOR: PEMBINA EXP CO LTD

DRILLING CO: PEMBINA DRILLIN CO

GEOLOGY BY: PETROLEUM RESOURCE

TOTAL DEPTH 478.0M PBTD

RIG TYPE ROT ELEV 174.7M+ 6.5M

CO-ORDINATES

LATITUDE 42-34-15 N

LONGITUDE 79-59-45 W SEQ 1

CONFIDENTIAL 1981 07 14

SPUDDED 1981 06 10

COMPLETED 1981 06 14

ABANDONED 1981 06 15

SPL TRAY No 2447 INDEX No 654

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 190.0					
LAKE / GROUND LEVEL			6.5	174.7	
DRIFT / LAKE BOTTOM			56.9		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	0.		
		MARCELLUS	0.		
		DUNDEE	113.0		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG			
		BOIS BLANC			
SILURIAN		BASS ISLANDS	169.5		
		G UNIT SHALE	196.4		
		F UNIT SHALE	203.0		
		E UNIT CARB	229.6		
		D UNIT SALT	0.		
		C UNIT SHALE	261.9		
		MARKER	270.0		
		B UNIT SALT	0.		
		ANHY	284.1		
		CARB	288.3		
		A-2 UNIT SALT	0.		
		ANHY	0.		
		CARB	301.1		
		A-1 UNIT EVAP	0.		
	GUELPH		302.7		
	ERAMOSA				
	AMABEL	GOAT ISLAND	312.3		
		GASPORT	320.3		
		ROCHESTER	392.0		
		IRONDEQUOIT	402.0		
		REYNALES	403.9		
		THOROLD	405.1		
	CATARACT	GRIMSBY	406.3		
		CABOT HEAD	426.2		
		MANITOULIN	0.		
		WHIRLPOOL	445.5		
ORDOVICIAN		QUEENSTON	450.3		
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 477.0 MOC 6

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
407.0- 420.0	467 M3/D	4583 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
340MM	74.0KG	137.7	CEMENTED	56.4
193MM	29.0KG	172.6	CEMENTED	56.4

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
167.0- 478.2	GRNL	167.0- 478.2	DENL
156.5- 478.2	IES		

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 255.7 B UNIT EQU 275.5 DE CEM 380.9

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS NFW FIELD/POOL STATUS LOST HOLE

COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 88 CON W

WELL NAME: PEMBINA #2 LAKE ERIE 88-W PERMIT NO.: 5708

OPERATOR: PEMBINA EXP CO LTD

DRILLING CO: PEMBINA DRILLIN CO

GEOLOGY BY: PETROLEUM RESOURCE

TOTAL DEPTH 169.0M PBTD

RIG TYPE ROT ELEV 174.7M+ 6.2M

CO-ORDINATES

LATITUDE 42-30-44 N

LONGITUDE 79-57-46 W SEQ 1

CONFIDENTIAL 1982 08 25

SPUDDED 1981 08 23

COMPLETED 1981 08 25

ABANDONED

SPL TRAY No INDEX No

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT m					
LAKE / GROUND LEVEL			6.2	174.7	
DRIFT / LAKE BOTTOM					
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS			
		DUNDEE			
	DETROIT RIVER	LUCAS			
		AMHERSTBURG			
		BOIS BLANC			
SILURIAN		BASS ISLANDS			
		G UNIT SHALE			
		F UNIT SHALE			
		E UNIT CARB			
		D UNIT SALT			
		C UNIT SHALE			
		MARKER			
		B UNIT SALT			
		ANHY			
		CARB			
		A-2 UNIT SALT			
		ANHY			
		CARB			
		A-1 UNIT EVAP			
	GUELPH				
	ERAMOSA				
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES m MOC

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
340MM	73.0KG	166.3	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS NFW FIELD/POOL STATUS DRY HOLE -ABD

COUNTY HALDIMAND TOWNSHIP LAKE ERIE LOT 88 CON W

WELL NAME: PEMBINA #2A LAKE ERIE 88-W PERMIT NO: 5708

OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 517.5M PBTD

DRILLING CO PEMBINA DRILLIN CO RIG TYPE BOT ELEV 174.7M+ 6.2M

GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES

LATITUDE 42-30-43 N

LONGITUDE 79-57-47 W SEQ 1

CONFIDENTIAL 1982 07 30

SPUDDED 1981 07 26

COMPLETED 1981 07 30

ABANDONED 1981 07 31

SPL TRAY No 7692 INDEX No 659

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 214.0					
LAKE / GROUND LEVEL			6.2	174.7	
DRIFT / LAKE BOTTOM			67.1		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS			
		DUNDEE	150.8		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	168.6		
		BOIS BLANC	195.1		
		BASS ISLANDS	218.4		
SILURIAN		G UNIT SHALE	246.0		
		F UNIT SHALE	253.0		
		E UNIT CARB	275.8		
		D UNIT SALT	0.		
		C UNIT SHALE	313.0		
		MARKER	323.8		
		B UNIT SALT	0.		
		ANHY	336.0		
		CARB	343.2		
		A-2 UNIT SALT	0.		
		ANHY	0.		
		CARB	356.1		
		A-1 UNIT EVAP	0.		
	GUELPH		360.4		
	ERAMOSA				
	AMABEL	GOAT ISLAND	366.0		
		GASPORT	385.1		
		ROCHESTER	437.2		
		IRONDEQUOIT	448.0		
		REYNALES	451.1		
		THOROLD	452.9		
	CATARACT	GRIMSBY	454.6		
		CABOT HEAD	472.4		
		MANITOULIN	0.		
		WHIRLPOOL	496.5		
ORDOVICIAN	QUEENSTON		498.6		
	MEAFORD-DUNDAS				
	COLLINGWOOD				
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 505.0			MDC	6	

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
340MM	79.0KG	166.4	CEMENTED	67.0
194MM	29.0KG	211.5	CEMENTED	67.0

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
210.5- 512.0	SONL	210.5- 517.5	DIL
210.5- 517.5	CNFD		

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

B UNIT EQU 308.0 B UNIT EQU 330.0 DE CEW 421.2

SPRINGVALE AT BASE OF BOIS BLANC

POOR AGREEMENT BETWEEN LOG & SAMPLES

CRITICAL MISSING SAMPLES

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD POOL STATUS GAS PRODUCER

COUNTY HALDIMAND TOWNSHIP MOULTON LOT 14 CON SFR

WELL NAME HARRY FARR #2 MOULTON 2-14-SFR PERMIT NO.: 5680

OPERATOR FARR,HARRY TOTAL DEPTH 207.7M PBTD

DRILLING CO ELFNER,ROBERT RIG TYPE CAB ELEV 179.7M+ .8M

GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES 503.0M S; 29.1M W

LATITUDE 42-55-45 N

LONGITUDE 79-32-25 W SEQ 1

CONFIDENTIAL 1981 09 01

SPUDDED 1981 06 21

COMPLETED 1981 08 01

ABANDONED

SPL TRAY No 2915 INDEX No 674

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 52.0					
LAKE / GROUND LEVEL				179.7	
DRIFT / LAKE BOTTOM			.8		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS			
		DUNDEE			
	DETROIT RIVER	LUCAS			
		AMHERSTBURG			
		BOIS BLANC			
		BASS ISLANDS			
SILURIAN		G UNIT SHALE			
		F UNIT SHALE			
		E UNIT CARB			
		D UNIT SALT			
		C UNIT SHALE	31.0		
		MARKER			
		B UNIT SALT	0.		
		ANHY			
		CARB			
		A-2 UNIT SALT	0.		
		ANHY			
		CARB			
		A-1 UNIT EVAP	0.		
	GUELPH		101.0		
	ERAMOSA		104.0		
	AMABEL	GOAT ISLAND	134.0		
		GASPORT	143.0		
		ROCHESTER	149.0		
		IRONDEQUOIT	165.0		
		REYNALES	167.0		
		THOROLD	172.2		
	CATARACT	GRIMSBY	178.0		
		CABOT HEAD	187.5		
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN	QUEENSTON				
	MEAFORD-DUNDAS				
	COLLINGWOOD				
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 207.0			MDC	6	

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
68.6-	SHOW	
179.9-	85 M3/D	1103 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
29.6-	10.7		SULPHUR
32.0-	10.7		FRESH
39.6-	9.8		FRESH
83.8-	6.1		SULPHUR
108.2-	8.5		SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
178MM	29.8KG	42.7	BAREFOOT	
114MM	14.1KG	179.8	PACKER	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

B UNIT EQU 64.0 DE CEW 146.0

NO LOGS

CRITICAL MISSING SAMPLES

POOR SAMPLES QUALITY

FINAL RESULTS

OIL NIL

GAS 85 M3/D

PRESSURE 1103 KPA

PRODUCING INTVL (m) 179.9- 192.0

PERFORATED OPEN HOLE YES

FORMATION(S) GRIMSBY

CABOT HEAD

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS GAS PRODUCER

COUNTY HALDIMAND TOWNSHIP N. CAYUGA LOT 32 CON INTR

WELL NAME: TADJ #1 N. CAYUGA 3-32-INTR PERMIT NO: 5632

OPERATOR MARSHALL, D.T.

DRILLING CO MOERSCHFELDER, F.

GEOLOGY BY PETROLEUM RESOURCES

TOTAL DEPTH 192.6M PBTD

RIG TYPE CAB ELEV 180.4M+ 1.0M

CO-ORDINATES 304.8M N; 157.0M W

LATITUDE 42-57-39 N

LONGITUDE 79-51-57 W SEQ 1

CONFIDENTIAL 1981 10 23

SPUDDED 1981 07 13

COMPLETED 1981 09 23

ABANDONED

SPL TRAY No 2612 INDEX No 682

GEOLOGICAL CONTACTS:	TOP m	ELEV m	THICK m
SAMPLES START AT m			
LAKE / GROUND LEVEL			
DRIFT / LAKE BOTTOM	1.0		
DEVONIAN — PRT LAMBTON			
DEVONIAN — HAMILTON — KETTLE POINT			
DEVONIAN — HAMILTON — MARCELLUS			
DEVONIAN — DUNDEE			
DEVONIAN — DETROIT RIVER — LUCAS			
DEVONIAN — DETROIT RIVER — AMHERSTBURG			
DEVONIAN — BOIS BLANC			
SILURIAN — BASS ISLANDS			
SILURIAN — G UNIT SHALE			
SILURIAN — F UNIT SHALE	18.0		
SILURIAN — E UNIT CARB	21.0		
SILURIAN — D UNIT SALT	0.		
SILURIAN — C UNIT SHALE			
SILURIAN — MARKER			
SILURIAN — B UNIT SALT	0.		
SILURIAN — ANHY	69.5		
SILURIAN — CARB	75.5		
SILURIAN — A-2 UNIT SALT	0.		
SILURIAN — ANHY	0.		
SILURIAN — CARB			
SILURIAN — A-1 UNIT EVAP			
SILURIAN — GUELPH	88.0		
SILURIAN — ERAMOSA	109.0		
SILURIAN — AMABEL — GOAT ISLAND			
SILURIAN — AMABEL — GASPORT	116.0		
SILURIAN — AMABEL — ROCHESTER	143.0		
SILURIAN — AMABEL — IRONDEQUOIT	160.3		
SILURIAN — REYNALES	163.0		
SILURIAN — THOROLD	165.2		
SILURIAN — CATARACT — GRIMSBY	168.9		
SILURIAN — CATARACT — CABOT HEAD	182.3		
SILURIAN — CATARACT — MANITOULIN			
SILURIAN — CATARACT — WHIRLPOOL			
ORDOVICIAN — QUEENSTON			
ORDOVICIAN — MEAFORD DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES m	MOC	6	

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
163.1 -	0.3 M3/D	1380 KPA
167.3 -	1.3 M3/D	1380 KPA
167.6 -	1.1 M3/D	1380 KPA
172.2 -	1.1 M3/D	1380 KPA
175.3 -	0.8 M3/D	1380 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
6.1 -			FRESH
27.4 -			SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219 MM	35.7 KG	9.1	CEMENTED	
178 MM	25.3 KG	25.0	CEMENTED	
114 MM	14.1 KG	152.4	BOTTOM PAC	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION	CORED INTERVAL m	REC m	STORED CORED INTERVAL m	STORED REC m	*ANAL

REMARKS

DECEW 122.0

NO LOGS

FINAL RESULTS

OIL

GAS 1.3 M3/D

PRESSURE 1379 KPA

PRODUCING INTVL (m) 172.2 - 175.3

PERFORATED OPEN HOLE YES

FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS OTHER FIELD/POOL STATUS STRATIGRAPHIC TEST

COUNTY HURON TOWNSHIP GODERICH LOT CON

WELL NAME: FREEZE HOLE #1 GODERICH PERMIT NO.: 5478

OPERATOR DOMTAR CHEMICALS GROUP

DRILLING CO DURL HOPPER LTD

GEOLOGY BY PETROLEUM RESOURCES

TOTAL DEPTH 95.0M PBTD

RIG TYPE ROT ELEV 180.0M+ 1.0M

CO-ORDINATES

LATITUDE 43-45-00 N

LONGITUDE 81-43-00 W SEQ 1

CONFIDENTIAL 1982 01 08

SPUDDED 1980 12 15

COMPLETED 1981 01 08

ABANDONED

SPL TRAY No INDEX No

GEOLOGICAL CONTACTS:	TOP m	ELEV m	THICK m
SAMPLES START AT m			
LAKE / GROUND LEVEL			
DRIFT / LAKE BOTTOM	1.0		
DEVONIAN — PRT LAMBTON			
DEVONIAN — HAMILTON — KETTLE POINT			
DEVONIAN — HAMILTON — MARCELLUS			
DEVONIAN — DUNDEE			
DEVONIAN — DETROIT RIVER — LUCAS	11.6		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	86.0		
DEVONIAN — BOIS BLANC			
SILURIAN — BASS ISLANDS			
SILURIAN — G UNIT SHALE			
SILURIAN — F UNIT SHALE			
SILURIAN — E UNIT CARB			
SILURIAN — D UNIT SALT			
SILURIAN — C UNIT SHALE			
SILURIAN — MARKER			
SILURIAN — B UNIT SALT			
SILURIAN — ANHY			
SILURIAN — CARB			
SILURIAN — A-2 UNIT SALT			
SILURIAN — ANHY			
SILURIAN — CARB			
SILURIAN — A-1 UNIT EVAP			
SILURIAN — GUELPH			
SILURIAN — ERAMOSA			
SILURIAN — AMABEL — GOAT ISLAND			
SILURIAN — AMABEL — GASPORT			
SILURIAN — AMABEL — ROCHESTER			
SILURIAN — AMABEL — IRONDEQUOIT			
SILURIAN — REYNALES			
SILURIAN — THOROLD			
SILURIAN — CATARACT — GRIMSBY			
SILURIAN — CATARACT — CABOT HEAD			
SILURIAN — CATARACT — MANITOULIN			
SILURIAN — CATARACT — WHIRLPOOL			
ORDOVICIAN — QUEENSTON			
ORDOVICIAN — MEAFORD DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES m	MOC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	26.0KG	16M	CEMENTED	
140MM	21.0KG	95M	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION	CORED INTERVAL m	REC m	STORED CORED INTERVAL m	STORED REC m	*ANAL

REMARKS

FINAL RESULTS

OIL

GAS

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

DST(S) ON FILE TREATMENT

WELL SUMMARY CARDS LISTED ALPHABETICALLY BY COUNTY & TOWNSHIP

CLASS OTHER FIELD POOL STATUS STRATIGRAPHIC TEST

COUNTY HURON TOWNSHIP GODERICH LOT CON

WELL NAME: FREEZE HOLE #2 GODERICH

OPERATOR DOMTAR CHEMICALS GROUP

DRILLING CO DURL HOPPER LTD

GEOLOGY BY PETROLEUM RESOURCES

PERMIT NO.: 5478

TOTAL DEPTH 95.0M PBTD

RIG TYPE ROT ELEV 180.0M+ 1.0M

CO-ORDINATES

LATITUDE 43-45-00 N

LONGITUDE 81-43-00 W SEQ 2

CONFIDENTIAL 1982 01 10

SPUDDED 1980 12 11

COMPLETED 1981 01 10

ABANDONED

SPL TRAY No INDEX No

GEOLOGICAL CONTACTS:	TOP m	ELEV m	THICK m
SAMPLES START AT m			
LAKE - GROUND LEVEL			
DRIFT - LAKE BOTTOM	1.0		
DEVONIAN — PRT LAMBTON			
KETTLE POINT			
HAMILTON — MARCELLUS			
DUNDEE			
DETROIT RIVER — LUCAS	11.6		
AMHERSTBURG	86.0		
BOIS BLANC			
SILURIAN — BASS ISLANDS			
G UNIT SHALE			
F UNIT SHALE			
E UNIT CARB			
D UNIT SALT			
C UNIT SHALE			
MARKER			
B UNIT SALT			
ANHY			
CARB			
A-2 UNIT SALT			
ANHY			
CARB			
A-1 UNIT EVAP			
GUELPH			
ERAMOSA			
AMABEL — GOAT ISLAND			
GASPORT			
ROCHESTER			
IRONDEQUOIT			
REYNALES			
THOROLD			
CATARACT — GRIMSBY			
CABOT HEAD			
MANITOULIN			
WHIRLPOOL			
ORDOVICIAN — QUEENSTON			
MEAFORD DUNDAS			
COLLINGWOOD			
TRENTON — COBOURG			
VERULAM			
KIRKFIELD			
BLACK RIVER — COBOCONK			
GULL RIVER			
SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES m	MOC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
219MM	26.0KG	16.0M	CEMENTED	
140MM	21.0KG	95.0M	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

FINAL RESULTS

OIL

GAS

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS OTHER FIELD/POOL STATUS STRATIGRAPHIC TEST

COUNTY HURON TOWNSHIP GODERICH LOT CON

WELL NAME: FREEZE HOLE #3 GODERICH

OPERATOR DOMTAR CHEMICALS GROUP

DRILLING CO DURL HOPPER LTD

GEOLOGY BY PETROLEUM RESOURCES

PERMIT NO.: 5478

TOTAL DEPTH 95.0M PBTD

RIG TYPE ROT ELEV 180.0M+ 1.0M

CO-ORDINATES

LATITUDE 43-45-00 N

LONGITUDE 81-43-00 W SEQ 3

CONFIDENTIAL 1981 11 28

SPUDDED 1980 11 07

COMPLETED 1980 11 28

ABANDONED

SPL TRAY No INDEX No

GEOLOGICAL CONTACTS:	TOP m	ELEV m	THICK m
SAMPLES START AT m			
LAKE - GROUND LEVEL			
DRIFT - LAKE BOTTOM	1.0		
DEVONIAN — PRT LAMBTON			
KETTLE POINT			
HAMILTON — MARCELLUS			
DUNDEE			
DETROIT RIVER — LUCAS	11.6		
AMHERSTBURG	86.0		
BOIS BLANC			
SILURIAN — BASS ISLANDS			
G UNIT SHALE			
F UNIT SHALE			
E UNIT CARB			
D UNIT SALT			
C UNIT SHALE			
MARKER			
B UNIT SALT			
ANHY			
CARB			
A-2 UNIT SALT			
ANHY			
CARB			
A-1 UNIT EVAP			
GUELPH			
ERAMOSA			
AMABEL — GOAT ISLAND			
GASPORT			
ROCHESTER			
IRONDEQUOIT			
REYNALES			
THOROLD			
CATARACT — GRIMSBY			
CABOT HEAD			
MANITOULIN			
WHIRLPOOL			
ORDOVICIAN — QUEENSTON			
MEAFORD DUNDAS			
COLLINGWOOD			
TRENTON — COBOURG			
VERULAM			
KIRKFIELD			
BLACK RIVER — COBOCONK			
GULL RIVER			
SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES m	MOC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
219MM	26.0KG	16.0M	CEMENTED	
140MM	21.0KG	95.0M	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

FINAL RESULTS

OIL

GAS

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS OTHER FIELD/POOL STATUS STRATIGRAPHIC TEST

COUNTY HURON TOWNSHIP GODERICH LOT CON

WELL NAME: FREEZE HOLE # 4 GODERICH
OPERATOR DOMTAR CHEMICALS GROUP
DRILLING CO DURL HOPPER LTD
GEOLOGY BY PETROLEUM RESOURCES

PERMIT NO.: 5478

TOTAL DEPTH 95.0M PBTD
RIG TYPE ROT ELEV 180.0M+ 1.0M
CO-ORDINATES
LATITUDE 43-45-00 N
LONGITUDE 81-43-00 W MAG 4
CONFIDENTIAL 1981 11 21
SPUDDED 1980 11 11
COMPLETED 1980 11 21
ABANDONED
SPL TRAY No INDEX No

GEOLOGICAL CONTACTS:	TOP m	ELEV m	THICK m
SAMPLES START AT m			
LAKE / GROUND LEVEL			
DRIFT / LAKE BOTTOM	1.0		
DEVONIAN — PRT LAMBTON			
DEVONIAN — KETTLE POINT			
DEVONIAN — HAMILTON — MARCELLUS			
DEVONIAN — HAMILTON — DUNDEE			
DEVONIAN — DETROIT RIVER — LUCAS	11.6		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	86.0		
DEVONIAN — BOIS BLANC			
SILURIAN — BASS ISLANDS			
SILURIAN — G UNIT SHALE			
SILURIAN — F UNIT SHALE			
SILURIAN — E UNIT CARB			
SILURIAN — D UNIT SALT			
SILURIAN — C UNIT SHALE			
SILURIAN — C UNIT MARKER			
SILURIAN — B UNIT SALT			
SILURIAN — B UNIT ANHY			
SILURIAN — B UNIT CARB			
SILURIAN — A-2 UNIT SALT			
SILURIAN — A-2 UNIT ANHY			
SILURIAN — A-1 UNIT CARB			
SILURIAN — A-1 UNIT EVAP			
SILURIAN — GUELPH			
SILURIAN — ERAMOSA			
SILURIAN — AMABEL — GOAT ISLAND			
SILURIAN — AMABEL — GASPORT			
SILURIAN — AMABEL — ROCHESTER			
SILURIAN — AMABEL — IRONDEQUOIT			
SILURIAN — REYNALES			
SILURIAN — THOROLD			
SILURIAN — CATARACT — GRIMSBY			
SILURIAN — CATARACT — CABOT HEAD			
SILURIAN — CATARACT — MANITOULIN			
SILURIAN — CATARACT — WHIRLPOOL			
ORDOVICIAN — QUEENSTON			
ORDOVICIAN — MEAFORD DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES m	MQC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	26.0KG	16.0M	CEMENTED	
140MM	21.0KG	95.0M	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

FINAL RESULTS

OIL
GAS
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS OTHER FIELD/POOL STATUS STRATIGRAPHIC TEST

COUNTY HURON TOWNSHIP GODERICH LOT CON

WELL NAME: FREEZE HOLE #5 GODERICH
OPERATOR DOMTAR CHEMICALS GROUP
DRILLING CO DURL HOPPER LTD
GEOLOGY BY PETROLEUM RESOURCES

PERMIT NO.: 5478

TOTAL DEPTH 95.0M PBTD
RIG TYPE ROT ELEV 180.0M+ 1.0M
CO-ORDINATES
LATITUDE 43-45-00 N
LONGITUDE 81-43-00 W MAG 5
CONFIDENTIAL 1981 11 19
SPUDDED 1980 11 07
COMPLETED 1980 11 19
ABANDONED
SPL TRAY No INDEX No

GEOLOGICAL CONTACTS:	TOP m	ELEV m	THICK m
SAMPLES START AT m			
LAKE / GROUND LEVEL			
DRIFT / LAKE BOTTOM	1.0		
DEVONIAN — PRT LAMBTON			
DEVONIAN — KETTLE POINT			
DEVONIAN — HAMILTON — MARCELLUS			
DEVONIAN — HAMILTON — DUNDEE			
DEVONIAN — DETROIT RIVER — LUCAS	11.6		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	86.0		
DEVONIAN — BOIS BLANC			
SILURIAN — BASS ISLANDS			
SILURIAN — G UNIT SHALE			
SILURIAN — F UNIT SHALE			
SILURIAN — E UNIT CARB			
SILURIAN — D UNIT SALT			
SILURIAN — C UNIT SHALE			
SILURIAN — C UNIT MARKER			
SILURIAN — B UNIT SALT			
SILURIAN — B UNIT ANHY			
SILURIAN — B UNIT CARB			
SILURIAN — A-2 UNIT SALT			
SILURIAN — A-2 UNIT ANHY			
SILURIAN — A-1 UNIT CARB			
SILURIAN — A-1 UNIT EVAP			
SILURIAN — GUELPH			
SILURIAN — ERAMOSA			
SILURIAN — AMABEL — GOAT ISLAND			
SILURIAN — AMABEL — GASPORT			
SILURIAN — AMABEL — ROCHESTER			
SILURIAN — AMABEL — IRONDEQUOIT			
SILURIAN — REYNALES			
SILURIAN — THOROLD			
SILURIAN — CATARACT — GRIMSBY			
SILURIAN — CATARACT — CABOT HEAD			
SILURIAN — CATARACT — MANITOULIN			
SILURIAN — CATARACT — WHIRLPOOL			
ORDOVICIAN — QUEENSTON			
ORDOVICIAN — MEAFORD DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES m	MQC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	26.0KG	16.0M	CEMENTED	
140MM	21.0KG	95.0M	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

FINAL RESULTS

OIL
GAS
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS OTHER FIELD/POOL STATUS STRATIGRAPHIC TEST

COUNTY HURON TOWNSHIP GODERICH LOT CON

WELL NAME: FREEZE HOLE #6 GODERICH

OPERATOR DOMTAR CHEMICALS GROUP

DRILLING CO DURL HOPPER LTD

GEOLOGY BY PETROLEUM RESOURCES

PERMIT NO 5478

TOTAL DEPTH 95.0M PBTD

RIG TYPE ROT ELEV 180.0M+ 1.0M

CO-ORDINATES

LATITUDE 43-45-00 N

LONGITUDE 81-43-00 W SEC 6

CONFIDENTIAL 1981 11 22

SPUDDED 1980 11 11

COMPLETED 1980 11 22

ABANDONED

SPL TRAY No INDEX No

GEOLOGICAL CONTACTS:	TOP m	ELEV m	THICK m
SAMPLES START AT m			
LAKE / GROUND LEVEL			
DRIFT / LAKE BOTTOM	1.0		
DEVONIAN — PRT LAMBTON			
DEVONIAN — KETTLE POINT			
DEVONIAN — HAMILTON — MARCELLUS			
DEVONIAN — HAMILTON — DUNDEE			
DEVONIAN — DETROIT RIVER — LUCAS	11.6		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	86.0		
DEVONIAN — BOIS BLANC			
DEVONIAN — BASS ISLANDS			
SILURIAN — G UNIT SHALE			
SILURIAN — F UNIT SHALE			
SILURIAN — E UNIT CARB			
SILURIAN — D UNIT SALT			
SILURIAN — C UNIT SHALE / MARKER			
SILURIAN — B UNIT SALT / ANHY / CARB			
SILURIAN — A-2 UNIT SALT / ANHY / CARB			
SILURIAN — A-1 UNIT CARB / EVAP			
SILURIAN — GUELPH			
SILURIAN — ERAMOSA			
SILURIAN — AMABEL — GOAT ISLAND			
SILURIAN — AMABEL — GASPORT			
SILURIAN — AMABEL — ROCHESTER			
SILURIAN — AMABEL — IRONDEQUOIT			
SILURIAN — REYNALES			
SILURIAN — THOROLD			
SILURIAN — CATARACT — GRIMSBY			
SILURIAN — CATARACT — CABOT HEAD			
SILURIAN — CATARACT — MANITOULIN			
SILURIAN — CATARACT — WHIRLPOOL			
ORDOVICIAN — QUEENSTON			
ORDOVICIAN — MEAFORD-DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES m	MOC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	26.0KG	16.0M	CEMENTED	
140MM	21.0KG	95.0M	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION	STORED		PANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	

REMARKS

FINAL RESULTS

OIL

GAS

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

DST(s) ON FILE TREATMENT

CLASS OTHER FIELD/POOL STATUS STRATIGRAPHIC TEST

COUNTY HURON TOWNSHIP GODERICH LOT CON

WELL NAME: FREEZE HOLE #7 GODERICH

OPERATOR DOMTAR CHEMICALS GROUP

DRILLING CO DURL HOPPER LTD

GEOLOGY BY PETROLEUM RESOURCES

PERMIT NO.: 5478

TOTAL DEPTH 95.0M PBTD

RIG TYPE ROT ELEV 180.0M+ 1.0M

CO-ORDINATES

LATITUDE 43-45-00 N

LONGITUDE 81-43-00 W SEC 7

CONFIDENTIAL 1981 11 25

SPUDDED 1980 11 08

COMPLETED 1980 11 25

ABANDONED

SPL TRAY No INDEX No

GEOLOGICAL CONTACTS:	TOP m	ELEV m	THICK m
SAMPLES START AT m			
LAKE GROUND LEVEL			
DRIFT LAKE BOTTOM	1.0		
DEVONIAN — PRT LAMBTON			
DEVONIAN — KETTLE POINT			
DEVONIAN — HAMILTON — MARCELLUS			
DEVONIAN — HAMILTON — DUNDEE			
DEVONIAN — DETROIT RIVER — LUCAS	11.6		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	86.0		
DEVONIAN — BOIS BLANC			
DEVONIAN — BASS ISLANDS			
SILURIAN — G UNIT SHALE			
SILURIAN — F UNIT SHALE			
SILURIAN — E UNIT CARB			
SILURIAN — D UNIT SALT			
SILURIAN — C UNIT SHALE / MARKER			
SILURIAN — B UNIT SALT / ANHY / CARB			
SILURIAN — A-2 UNIT SALT / ANHY / CARB			
SILURIAN — A-1 UNIT CARB / EVAP			
SILURIAN — GUELPH			
SILURIAN — ERAMOSA			
SILURIAN — AMABEL — GOAT ISLAND			
SILURIAN — AMABEL — GASPORT			
SILURIAN — AMABEL — ROCHESTER			
SILURIAN — AMABEL — IRONDEQUOIT			
SILURIAN — REYNALES			
SILURIAN — THOROLD			
SILURIAN — CATARACT — GRIMSBY			
SILURIAN — CATARACT — CABOT HEAD			
SILURIAN — CATARACT — MANITOULIN			
SILURIAN — CATARACT — WHIRLPOOL			
ORDOVICIAN — QUEENSTON			
ORDOVICIAN — MEAFORD-DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES m	MOC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	26.0KG	16.0M	CEMENTED	
140MM	21.0KG	95.0M	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION	STORED		PANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	

REMARKS

FINAL RESULTS

OIL

GAS

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

DST(s) ON FILE TREATMENT

CLASS OTHER FIELD POOL STATUS STRATIGRAPHIC TEST

COUNTY HURON TOWNSHIP GODERICH LOT CON

WELL NAME: FREEZE HOLE #8 GODERICH

OPERATOR DOMTAR CHEMICALS GROUP

DRILLING CO DURL HOPPER LTD.

GEO. OGY BY PETROLEUM RESOURCES

PERMIT NO 5478

TOTAL DEPTH 95.0M PBTD

RIG TYPE ROT ELEV 180.0M+ 1.0M

CO ORDINATES

LATITUDE 43-45-00 N

LONGITUDE 81-43-00 W SEQ 8

CONFIDENTIAL 1981 12 06

SPUDDED 1980 12 01

COMPLETED 1980 12 06

ABANDONED

SPL TRAY No INDEX No

GEOLOGICAL CONTACTS		TOP m	ELEV m	THICK m
SAMPLES START AT m				
LAKE GROUND LEVEL				
DRIFT LAKE BOTTOM		1.0		
DEVONIAN	PRT LAMBTON			
	HAMILTON — KETTLE POINT			
	HAMILTON — MARCELLUS			
	DUNDEE			
	DETROIT RIVER — LUCAS	11.6		
	DETROIT RIVER — AMHERSTBURG	86.0		
	BOIS BLANC			
SILURIAN	BASS ISLANDS			
	Q UNIT SHALE			
	P UNIT SHALE			
	E UNIT CARB			
	D UNIT SALT			
	C UNIT SHALE			
	MARKER			
	B UNIT SALT			
	ANHY			
	CARB			
	A-2 UNIT SALT			
	ANHY			
	CARB			
	A-1 UNIT SALT			
	EVAP			
	GUELPH			
	ERAMOSA			
	AMABEL — GOAT ISLAND			
	AMABEL — GASPORT			
	AMABEL — ROCHESTER			
	AMABEL — IRONDEQUOIT			
	REYNALES			
	THOROLD			
	CATARACT — GRIMSBY			
	CATARACT — CABOT HEAD			
	CATARACT — MANITOULIN			
	CATARACT — WHIRLPOOL			
ORDOVICIAN	QUEENSTON			
	MEAFORD DUNDAS			
	COLLINGWOOD			
	TRENTON — COBOURG			
	TRENTON — VERULAM			
	TRENTON — KIRKFIELD			
	BLACK RIVER — COBOCONK			
	BLACK RIVER — GULL RIVER			
	BLACK RIVER — SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				
TOTAL DEPTH SAMPLES m		MOC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	26.0KG	16.0M	CEMENTED	
140MM	21.0KG	95.0M	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION	STORED		*ANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

FINAL RESULTS

OIL

GAS

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATION(S) OPEN HOLE

DST (S) ON FILE TREATMENT

CLASS OTHER FIELD POOL STATUS STRATIGRAPHIC TEST

COUNTY HURON TOWNSHIP GODERICH LOT CON

WELL NAME: FREEZE HOLE #9 GODERICH

OPERATOR DOMTAR CHEMICALS GROUP

DRILLING CO DURL HOPPER LTD.

GEOLOGY BY PETROLEUM RESOURCES

PERMIT NO 5478

TOTAL DEPTH 95.0M PBTD

RIG TYPE ROT ELEV 180.0M+ 1.0M

CO ORDINATES

LATITUDE 43-45-00 N

LONGITUDE 81-43-00 W SEQ 9

CONFIDENTIAL 1981 11 19

SPUDDED 1980 11 10

COMPLETED 1980 11 19

ABANDONED

SPL TRAY No INDEX No

GEOLOGICAL CONTACTS		TOP m	ELEV m	THICK m
SAMPLES START AT m				
LAKE GROUND LEVEL				
DRIFT LAKE BOTTOM		1.0		
DEVONIAN	PRT LAMBTON			
	HAMILTON — KETTLE POINT			
	HAMILTON — MARCELLUS			
	DUNDEE			
	DETROIT RIVER — LUCAS	11.6		
	DETROIT RIVER — AMHERSTBURG	86.0		
	BOIS BLANC			
SILURIAN	BASS ISLANDS			
	Q UNIT SHALE			
	P UNIT SHALE			
	E UNIT CARB			
	D UNIT SALT			
	C UNIT SHALE			
	MARKER			
	B UNIT SALT			
	ANHY			
	CARB			
	A-2 UNIT SALT			
	ANHY			
	CARB			
	A-1 UNIT SALT			
	EVAP			
	GUELPH			
	ERAMOSA			
	AMABEL — GOAT ISLAND			
	AMABEL — GASPORT			
	AMABEL — ROCHESTER			
	AMABEL — IRONDEQUOIT			
	REYNALES			
	THOROLD			
	CATARACT — GRIMSBY			
	CATARACT — CABOT HEAD			
	CATARACT — MANITOULIN			
	CATARACT — WHIRLPOOL			
ORDOVICIAN	QUEENSTON			
	MEAFORD DUNDAS			
	COLLINGWOOD			
	TRENTON — COBOURG			
	TRENTON — VERULAM			
	TRENTON — KIRKFIELD			
	BLACK RIVER — COBOCONK			
	BLACK RIVER — GULL RIVER			
	BLACK RIVER — SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				
TOTAL DEPTH SAMPLES m		MOC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	26.0KG	16.0M	CEMENTED	
140MM	21.0KG	95.0M	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION	STORED		*ANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

FINAL RESULTS

OIL

GAS

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATION(S) OPEN HOLE

DST (S) ON FILE TREATMENT

WELL SUMMARY CARDS LISTED ALPHABETICALLY BY COUNTY & TOWNSHIP

CLASS OTHER FIELD POOL STATUS STRATIGRAPHIC TEST

COUNTY HURON TOWNSHIP GODERICH LOT CON

WELL NAME: FREEZE HOLE #10 GODERICH

OPERATOR: DOMTAR CHEMICALS GROUP

DRILLING CO: DURL HOPPER LTD.

GEOLOGY BY: PETROLEUM RESOURCES

PERMIT NO 5478

TOTAL DEPTH 95.0M PBTD

RIG TYPE ROT ELEV 180.0M+ 1.0M

CO-ORDINATES

LATITUDE 43-45-00 N

LONGITUDE 81-43-00 W SEQ 10

CONFIDENTIAL 1981 12 09

SPUDDED 1980 12 02

COMPLETED 1980 12 09

ABANDONED

SPL TRAY No INDEX No

GEOLOGICAL CONTACTS	TOP m	ELEV m	THICK m
SAMPLES START AT m			
LAKE / GROUND LEVEL			
DRIFT / LAKE BOTTOM	1.0		
DEVONIAN — PRT LAMBTON			
DEVONIAN — KETTLE POINT			
DEVONIAN — HAMILTON — MARCELLUS			
DEVONIAN — HAMILTON — DUNDEE			
DEVONIAN — DETROIT RIVER — LUCAS	11.6		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	86.0		
DEVONIAN — BOIS BLANC			
DEVONIAN — BASS ISLANDS			
SILURIAN — G UNIT — SHALE			
SILURIAN — F UNIT — SHALE			
SILURIAN — E UNIT — CARB			
SILURIAN — D UNIT — SALT			
SILURIAN — C UNIT — SHALE			
SILURIAN — MARKER			
SILURIAN — B UNIT — SALT			
SILURIAN — ANHY			
SILURIAN — CARB			
SILURIAN — A-2 UNIT — SALT			
SILURIAN — ANHY			
SILURIAN — CARB			
SILURIAN — A-1 UNIT — EVAP			
SILURIAN — GUELPH			
SILURIAN — ERAMOSA			
SILURIAN — AMABEL — GOAT ISLAND			
SILURIAN — AMABEL — GASPORT			
SILURIAN — AMABEL — ROCHESTER			
SILURIAN — AMABEL — IRONDEQUOIT			
SILURIAN — REYNALES			
SILURIAN — THOROLD			
SILURIAN — CATARACT — GRIMSBY			
SILURIAN — CATARACT — CABOT HEAD			
SILURIAN — CATARACT — MANITOULIN			
SILURIAN — CATARACT — WHIRLPOOL			
ORDOVICIAN — QUEENSTON			
ORDOVICIAN — WEAFORD DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES m	MDC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	26.0KG	16.0M	CEMENTED	
140MM	21.0KG	95.0M	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

FINAL RESULTS

OIL

GAS

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATION(S) OPEN HOLE

DST(S) ON FILE TREATMENT

CLASS OTHER FIELD POOL STATUS STRATIGRAPHIC TEST

COUNTY HURON TOWNSHIP GODERICH LOT CON

WELL NAME: FREEZE HOLE #11 GODERICH

OPERATOR: DOMTAR CHEMICALS GROUP

DRILLING CO: DURL HOPPER LTD.

GEOLOGY BY: PETROLEUM RESOURCES

PERMIT NO 5478

TOTAL DEPTH 95.0M PBTD

RIG TYPE ROT ELEV 180.0M+ 1.0M

CO-ORDINATES

LATITUDE 43-45-00 N

LONGITUDE 81-43-00 W SEQ 11

CONFIDENTIAL 1981 11 17

SPUDDED 1980 11 10

COMPLETED 1980 11 17

ABANDONED

SPL TRAY No INDEX No

GEOLOGICAL CONTACTS	TOP m	ELEV m	THICK m
SAMPLES START AT m			
LAKE / GROUND LEVEL			
DRIFT / LAKE BOTTOM	1.0		
DEVONIAN — PRT LAMBTON			
DEVONIAN — KETTLE POINT			
DEVONIAN — HAMILTON — MARCELLUS			
DEVONIAN — HAMILTON — DUNDEE			
DEVONIAN — DETROIT RIVER — LUCAS	11.6		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	86.0		
DEVONIAN — BOIS BLANC			
DEVONIAN — BASS ISLANDS			
SILURIAN — G UNIT — SHALE			
SILURIAN — F UNIT — SHALE			
SILURIAN — E UNIT — CARB			
SILURIAN — D UNIT — SALT			
SILURIAN — C UNIT — SHALE			
SILURIAN — MARKER			
SILURIAN — B UNIT — SALT			
SILURIAN — ANHY			
SILURIAN — CARB			
SILURIAN — A-2 UNIT — SALT			
SILURIAN — ANHY			
SILURIAN — CARB			
SILURIAN — A-1 UNIT — EVAP			
SILURIAN — GUELPH			
SILURIAN — ERAMOSA			
SILURIAN — AMABEL — GOAT ISLAND			
SILURIAN — AMABEL — GASPORT			
SILURIAN — AMABEL — ROCHESTER			
SILURIAN — AMABEL — IRONDEQUOIT			
SILURIAN — REYNALES			
SILURIAN — THOROLD			
SILURIAN — CATARACT — GRIMSBY			
SILURIAN — CATARACT — CABOT HEAD			
SILURIAN — CATARACT — MANITOULIN			
SILURIAN — CATARACT — WHIRLPOOL			
ORDOVICIAN — QUEENSTON			
ORDOVICIAN — WEAFORD DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES m	MDC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	26.0KG	16.0M	CEMENTED	
140MM	21.0KG	95.0M	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

FINAL RESULTS

OIL

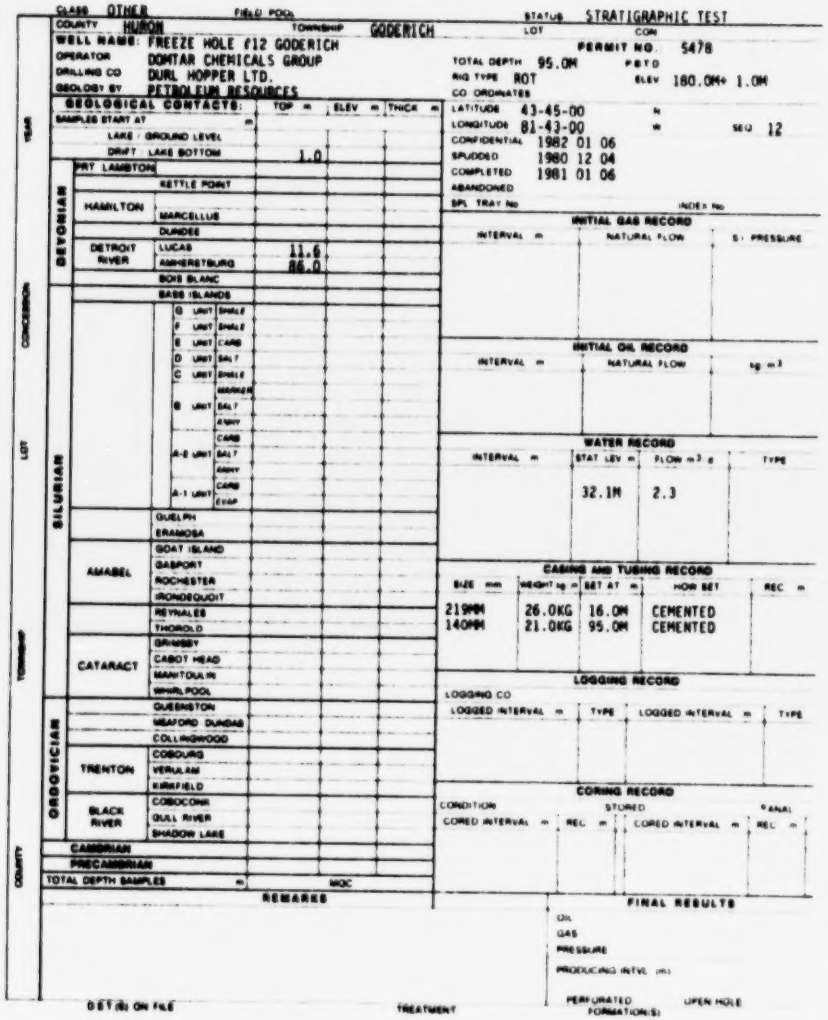
GAS

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATION(S) OPEN HOLE

DST(S) ON FILE TREATMENT



CLASS OTHER FIELD POOL STATUS STRATIGRAPHIC TEST
COUNTY HURON TOWNSHIP GODERICH LOT CON
WELL NAME FREEZE HOLE #12 GODERICH PERMIT NO. 5478
OPERATOR DOMTAR CHEMICALS GROUP TOTAL DEPTH 95.0M PBTD
DRILLING CO DURL HOPPER LTD. RIG TYPE ROT ELEV 180.0M+ 1.0M
GEOLOGY BY PETROLEUM RESOURCES CO ORDINATES
LATITUDE 43-45-00 N
LONGITUDE 81-43-00 W SEQ 12
CONFIDENTIAL 1982 01 06
SPUDDED 1980 12 04
COMPLETED 1981 01 06
ABANDONED
SPL TRAY No INDEX No

GEOLOGICAL CONTACTS — TOP m | ELEV m | THICK m

			TOP m	ELEV m	THICK m
SAMPLES START AT					
LAKE / GROUND LEVEL					
DRIFT : LAKE BOTTOM			1.0		
DEVONIAN	PT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS			
		DUNDEE			
	DETROIT RIVER	LUCAS	11.6		
		AMHERSTBURG	86.0		
		BOIS BLANC			
SILURIAN		BASS ISLANDS			
		G UNIT SHALE			
		F UNIT SHALE			
		E UNIT CARB			
		D UNIT SALT			
		C UNIT SHALE			
		MARKER			
		B UNIT SALT			
		ANHY			
		CARB			
		A-2 UNIT SALT			
		ANHY			
		CARB			
		A-1 UNIT EVAP			
		GUELPH			
		ERAMOSA			
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES m		MOC			

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	26.0KG	16.0M	CEMENTED	
140MM	21.0KG	95.0M	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

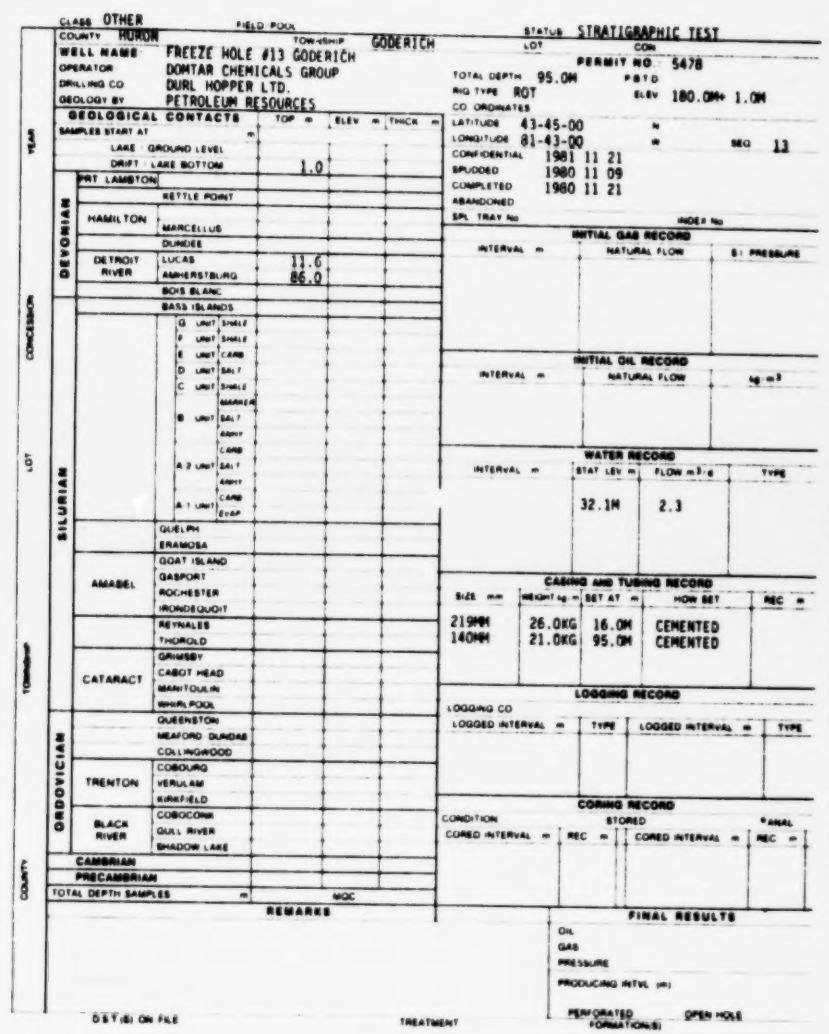
CORING RECORD

CONDITION	CORED INTERVAL m	REC m	STORED: CORED INTERVAL m	STORED: REC m	*ANAL: CORED INTERVAL m	*ANAL: REC m

REMARKS

FINAL RESULTS
OIL
GAS
PRESSURE
PRODUCING INTVL (m)
PERFORATED FORMATION(S) OPEN HOLE

DST(S) ON FILE TREATMENT



CLASS OTHER FIELD POOL STATUS STRATIGRAPHIC TEST
COUNTY HURON TOWNSHIP GODERICH LOT CON
WELL NAME FREEZE HOLE #13 GODERICH PERMIT NO. 5478
OPERATOR DOMTAR CHEMICALS GROUP TOTAL DEPTH 95.0M PBTD
DRILLING CO DURL HOPPER LTD. RIG TYPE ROT ELEV 180.0M+ 1.0M
GEOLOGY BY PETROLEUM RESOURCES CO ORDINATES
LATITUDE 43-45-00 N
LONGITUDE 81-43-00 W SEQ 13
CONFIDENTIAL 1981 11 21
SPUDDED 1980 11 09
COMPLETED 1980 11 21
ABANDONED
SPL TRAY No INDEX No

GEOLOGICAL CONTACTS — TOP m | ELEV m | THICK m

			TOP m	ELEV m	THICK m
SAMPLES START AT					
LAKE / GROUND LEVEL					
DRIFT : LAKE BOTTOM			1.0		
DEVONIAN	PT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS			
		DUNDEE			
	DETROIT RIVER	LUCAS	11.6		
		AMHERSTBURG	86.0		
		BOIS BLANC			
SILURIAN		BASS ISLANDS			
		G UNIT SHALE			
		F UNIT SHALE			
		E UNIT CARB			
		D UNIT SALT			
		C UNIT SHALE			
		MARKER			
		B UNIT SALT			
		ANHY			
		CARB			
		A-2 UNIT SALT			
		ANHY			
		CARB			
		A-1 UNIT EVAP			
		GUELPH			
		ERAMOSA			
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES m		MOC			

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	26.0KG	16.0M	CEMENTED	
140MM	21.0KG	95.0M	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

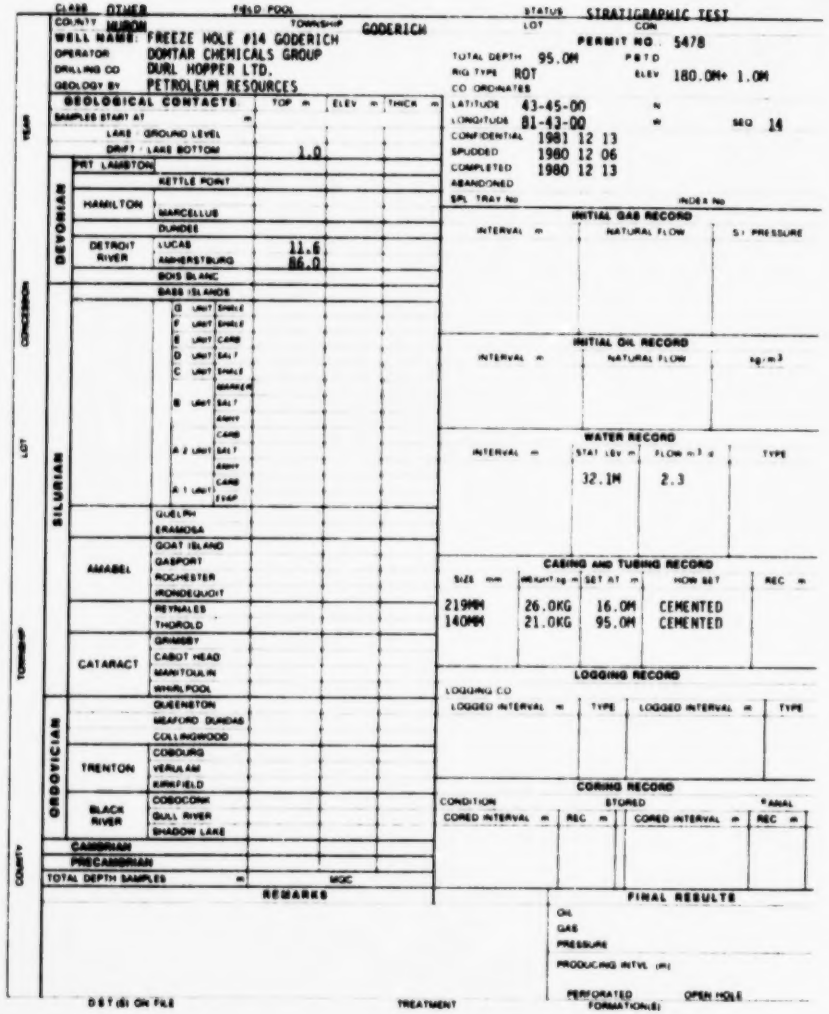
CORING RECORD

CONDITION	CORED INTERVAL m	REC m	STORED: CORED INTERVAL m	STORED: REC m	*ANAL: CORED INTERVAL m	*ANAL: REC m

REMARKS

FINAL RESULTS
OIL
GAS
PRESSURE
PRODUCING INTVL (m)
PERFORATED FORMATION(S) OPEN HOLE

DST(S) ON FILE TREATMENT



CLASS OTHER FIELD POOL STATUS STRATIGRAPHIC TEST

COUNTY HURON TOWNSHIP GODERICH LOT CON

WELL NAME: FREEZE HOLE #14 GODERICH PERMIT NO. 5478

OPERATOR DOMTAR CHEMICALS GROUP TOTAL DEPTH 95.0M PBTD

DRILLING CO DURL HOPPER LTD. RIG TYPE ROT ELEV 180.0M+ 1.0M

GEOLOGY BY PETROLEUM RESOURCES CO ORDINATES

LATITUDE 43-45-00 N

LONGITUDE 81-43-00 W SEQ 14

CONFIDENTIAL 1981 12 13

SPUDDED 1980 12 06

COMPLETED 1980 12 13

ABANDONED

SPL TRAY No INDEX No

GEOLOGICAL CONTACTS

		TOP m	ELEV m	THICK m
SAMPLES START AT m				
LAKE GROUND LEVEL				
DRIFT LAKE BOTTOM		1.0		
DEVONIAN	PRT LAMBTON			
	HAMILTON — KETTLE POINT			
	HAMILTON — MARCELLUS			
	HAMILTON — DUNDEE			
	DETROIT RIVER — LUCAS	11.6		
	DETROIT RIVER — AMHERSTBURG	86.0		
	BOIS BLANC			
	BASS ISLANDS			
SILURIAN	G UNIT SHALE			
	F UNIT SHALE			
	E UNIT CARB			
	D UNIT SALT			
	C UNIT SHALE			
	MARKER			
	B UNIT SALT			
	ANHY			
	CARB			
	A 2 UNIT SALT			
	ANHY			
	CARB			
	A 1 UNIT EVAP			
	GUELPH			
	AMABEL — ERAMOSA			
	AMABEL — GOAT ISLAND			
	AMABEL — GASPORT			
	AMABEL — ROCHESTER			
	AMABEL — IRONDEQUOIT			
	CATARACT — REYNALES			
	CATARACT — THOROLD			
	CATARACT — GRIMSBY			
	CATARACT — CABOT HEAD			
	CATARACT — MANITOULIN			
	CATARACT — WHIRLPOOL			
ORDOVICIAN	QUEENSTON			
	MEAFORD DUNDAS			
	COLLINGWOOD			
	TRENTON — COBOURG			
	TRENTON — VERULAM			
	TRENTON — KIRKFIELD			
	BLACK RIVER — COBOCONK			
	BLACK RIVER — GULL RIVER			
	BLACK RIVER — SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				
TOTAL DEPTH SAMPLES m		MQC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	5% PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	26.0KG	16.0M	CEMENTED	
140MM	21.0KG	95.0M	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

FINAL RESULTS

OIL

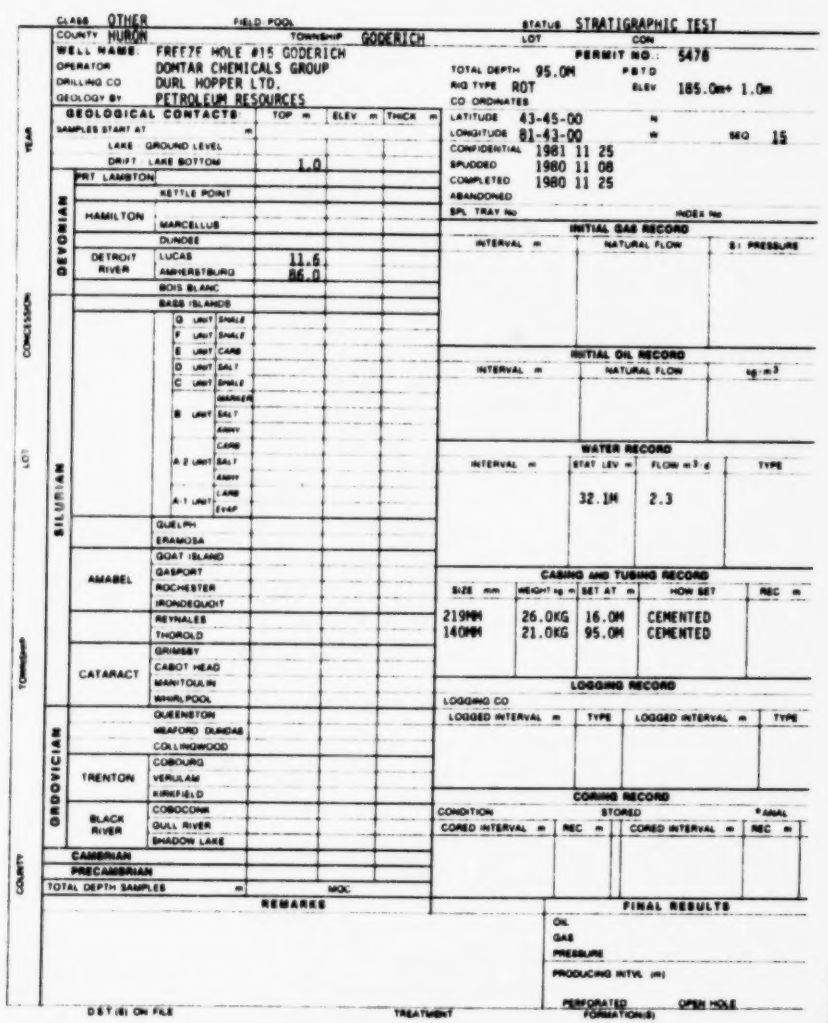
GAS

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATION(S) OPEN HOLE

DST (S) ON FILE TREATMENT



CLASS OTHER FIELD POOL STATUS STRATIGRAPHIC TEST

COUNTY HURON TOWNSHIP GODERICH LOT CON

WELL NAME: FREEZE HOLE #15 GODERICH PERMIT NO. 5478

OPERATOR DOMTAR CHEMICALS GROUP TOTAL DEPTH 95.0M PBTD

DRILLING CO DURL HOPPER LTD. RIG TYPE ROT ELEV 185.0M+ 1.0M

GEOLOGY BY PETROLEUM RESOURCES CO ORDINATES

LATITUDE 43-45-00 N

LONGITUDE 81-43-00 W SEQ 15

CONFIDENTIAL 1981 11 25

SPUDDED 1980 11 08

COMPLETED 1980 11 25

ABANDONED

SPL TRAY No INDEX No

GEOLOGICAL CONTACTS

		TOP m	ELEV m	THICK m
SAMPLES START AT m				
LAKE GROUND LEVEL				
DRIFT LAKE BOTTOM		1.0		
DEVONIAN	PRT LAMBTON			
	HAMILTON — KETTLE POINT			
	HAMILTON — MARCELLUS			
	HAMILTON — DUNDEE			
	DETROIT RIVER — LUCAS	11.6		
	DETROIT RIVER — AMHERSTBURG	86.0		
	BOIS BLANC			
	BASS ISLANDS			
SILURIAN	G UNIT SHALE			
	F UNIT SHALE			
	E UNIT CARB			
	D UNIT SALT			
	C UNIT SHALE			
	MARKER			
	B UNIT SALT			
	ANHY			
	CARB			
	A 2 UNIT SALT			
	ANHY			
	CARB			
	A 1 UNIT EVAP			
	GUELPH			
	AMABEL — ERAMOSA			
	AMABEL — GOAT ISLAND			
	AMABEL — GASPORT			
	AMABEL — ROCHESTER			
	AMABEL — IRONDEQUOIT			
	CATARACT — REYNALES			
	CATARACT — THOROLD			
	CATARACT — GRIMSBY			
	CATARACT — CABOT HEAD			
	CATARACT — MANITOULIN			
	CATARACT — WHIRLPOOL			
ORDOVICIAN	QUEENSTON			
	MEAFORD DUNDAS			
	COLLINGWOOD			
	TRENTON — COBOURG			
	TRENTON — VERULAM			
	TRENTON — KIRKFIELD			
	BLACK RIVER — COBOCONK			
	BLACK RIVER — GULL RIVER			
	BLACK RIVER — SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				
TOTAL DEPTH SAMPLES m		MQC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	5% PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	26.0KG	16.0M	CEMENTED	
140MM	21.0KG	95.0M	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

FINAL RESULTS

OIL

GAS

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATION(S) OPEN HOLE

DST (S) ON FILE TREATMENT

CLASS OTHER FIELD/POOL STATUS STRATIGRAPHIC TEST

COUNTY HURON TOWNSHIP GODERICH LOT CON

WELL NAME: FREEZE HOLE #16 GODERICH
OPERATOR: DOMTAR CHEMICALS GROUP
DRILLING CO: DURL HOPPER LTD.
GEOLOGY BY: PETROLEUM RESOURCES

PERMIT NO 5478

TOTAL DEPTH 95.0M PBTD
RIG TYPE ROT ELEV 180.0M+ 1.0M
CO-ORDINATES
LATITUDE 43-45-00 N
LONGITUDE 81-43-00 W SEQ 16
CONFIDENTIAL 1981 12 10
SPUDDED 1980 12 05
COMPLETED 1980 12 10
ABANDONED
SPL TRAY No INDEX No

GEOLOGICAL CONTACTS:	TOP m	ELEV m	THICK m
SAMPLES START AT m			
LAKE / GROUND LEVEL			
DRIFT / LAKE BOTTOM	1.0		
DEVONIAN — PRT LAMBTON			
DEVONIAN — KETTLE POINT			
DEVONIAN — HAMILTON — MARCELLUS			
DEVONIAN — DUNDEE			
DEVONIAN — DETROIT RIVER — LUCAS	11.6		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	86.0		
DEVONIAN — BOIS BLANC			
SILURIAN — BASS ISLANDS			
SILURIAN — G UNIT SHALE			
SILURIAN — F UNIT SHALE			
SILURIAN — E UNIT CARB			
SILURIAN — D UNIT SALT			
SILURIAN — C UNIT SHALE			
SILURIAN — ANHY			
SILURIAN — MARKER			
SILURIAN — B UNIT SALT			
SILURIAN — ANHY			
SILURIAN — CARB			
SILURIAN — A-2 UNIT SALT			
SILURIAN — ANHY			
SILURIAN — CARB			
SILURIAN — A-1 UNIT SALT			
SILURIAN — ANHY			
SILURIAN — CARB			
SILURIAN — EVAP			
SILURIAN — GUELPH			
SILURIAN — ERAMOSA			
SILURIAN — AMABEL — GOAT ISLAND			
SILURIAN — AMABEL — GASPORT			
SILURIAN — AMABEL — ROCHESTER			
SILURIAN — AMABEL — IRONDEQUOIT			
SILURIAN — REYNALES			
SILURIAN — THOROLD			
SILURIAN — CATARACT — GRIMSBY			
SILURIAN — CATARACT — CABOT HEAD			
SILURIAN — CATARACT — MANITOULIN			
SILURIAN — CATARACT — WHIRLPOOL			
ORDOVICIAN — QUEENSTON			
ORDOVICIAN — MEAFORD-DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES m	MOC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³ d	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
219MM	26.0KG	16.0M	CEMENTED	
140MM	21.0KG	95.0M	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION	CORED INTERVAL m	REC m	STORED: CORED INTERVAL m	STORED: REC m	*ANAL

REMARKS

FINAL RESULTS

OIL
GAS
PRESSURE
PRODUCING INTVL (m)
PERFORATED FORMATION(S)
OPEN HOLE

DST(S) ON FILE TREATMENT

CLASS OTHER FIELD/POOL STATUS STRATIGRAPHIC TEST

COUNTY HURON TOWNSHIP GODERICH LOT CON

WELL NAME: FREEZE HOLE #17 GODERICH
OPERATOR: DOMTAR CHEMICALS GROUP
DRILLING CO: DURL HOPPER LTD.
GEOLOGY BY: PETROLEUM RESOURCES

PERMIT NO 5478

TOTAL DEPTH 95.0M PBTD
RIG TYPE ROT ELEV 180.8M+ 1.0M
CO-ORDINATES
LATITUDE 43-45-00 N
LONGITUDE 81-43-00 W SEQ 17
CONFIDENTIAL 1981 12 09
SPUDDED 1980 12 01
COMPLETED 1980 12 09
ABANDONED
SPL TRAY No INDEX No

GEOLOGICAL CONTACTS	TOP m	ELEV m	THICK m
SAMPLES START AT m			
LAKE / GROUND LEVEL			
DRIFT / LAKE BOTTOM	1.0		
DEVONIAN — PRT LAMBTON			
DEVONIAN — KETTLE POINT			
DEVONIAN — HAMILTON — MARCELLUS			
DEVONIAN — DUNDEE			
DEVONIAN — DETROIT RIVER — LUCAS	11.6		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	86.0		
DEVONIAN — BOIS BLANC			
SILURIAN — BASS ISLANDS			
SILURIAN — G UNIT SHALE			
SILURIAN — F UNIT SHALE			
SILURIAN — E UNIT CARB			
SILURIAN — D UNIT SALT			
SILURIAN — C UNIT SHALE			
SILURIAN — ANHY			
SILURIAN — MARKER			
SILURIAN — B UNIT SALT			
SILURIAN — ANHY			
SILURIAN — CARB			
SILURIAN — A-2 UNIT SALT			
SILURIAN — ANHY			
SILURIAN — CARB			
SILURIAN — A-1 UNIT SALT			
SILURIAN — ANHY			
SILURIAN — CARB			
SILURIAN — EVAP			
SILURIAN — GUELPH			
SILURIAN — ERAMOSA			
SILURIAN — AMABEL — GOAT ISLAND			
SILURIAN — AMABEL — GASPORT			
SILURIAN — AMABEL — ROCHESTER			
SILURIAN — AMABEL — IRONDEQUOIT			
SILURIAN — REYNALES			
SILURIAN — THOROLD			
SILURIAN — CATARACT — GRIMSBY			
SILURIAN — CATARACT — CABOT HEAD			
SILURIAN — CATARACT — MANITOULIN			
SILURIAN — CATARACT — WHIRLPOOL			
ORDOVICIAN — QUEENSTON			
ORDOVICIAN — MEAFORD-DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES m	MOC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³ d	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
219MM	26.0KG	16.0M	CEMENTED	
140MM	21.0KG	95.0M	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION	CORED INTERVAL m	REC m	STORED: CORED INTERVAL m	STORED: REC m	*ANAL

REMARKS

FINAL RESULTS

OIL
GAS
PRESSURE
PRODUCING INTVL (m)
PERFORATED FORMATION(S)
OPEN HOLE

DST(S) ON FILE TREATMENT

CLASS OTHER FIELD/POOL STATUS STRATIGRAPHIC TEST

COUNTY HURON TOWNSHIP GODERICH LOT CON

WELL NAME: FREEZE HOLE #18 GODERICH PERMIT NO.: 5478

OPERATOR DOMTAR CHEMICALS GROUP

DRILLING CO DURL HOPPER LTD. TOTAL DEPTH 95.0M PBTD

GEOLOGY BY PETROLEUM RESOURCES RIG TYPE ROT ELEV 180.0M+ 1.0M

CO-ORDINATES

GEOLOGICAL CONTACTS:	TOP m	ELEV m	THICK m
SAMPLES START AT m			
LAKE / GROUND LEVEL			
DRIFT / LAKE BOTTOM	1.0		
DEVONIAN — PRT LAMBTON			
DEVONIAN — HAMILTON — KETTLE POINT			
DEVONIAN — HAMILTON — MARCELLUS			
DEVONIAN — DUNDEE			
DEVONIAN — DETROIT RIVER — LUCAS	11.6		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	86.0		
DEVONIAN — DETROIT RIVER — BOIS BLANC			
SILURIAN — BASS ISLANDS			
SILURIAN — G UNIT SHALE			
SILURIAN — F UNIT SHALE			
SILURIAN — E UNIT CARB			
SILURIAN — D UNIT SALT			
SILURIAN — C UNIT SHALE			
SILURIAN — MARKER			
SILURIAN — B UNIT SALT			
SILURIAN — ANHY			
SILURIAN — CARB			
SILURIAN — A-2 UNIT SALT			
SILURIAN — ANHY			
SILURIAN — CARB			
SILURIAN — A-1 UNIT EVAP			
SILURIAN — GUELPH			
SILURIAN — ERAMOSA			
SILURIAN — AMABEL — GOAT ISLAND			
SILURIAN — AMABEL — GASPORT			
SILURIAN — AMABEL — ROCHESTER			
SILURIAN — AMABEL — IRONDEQUOIT			
SILURIAN — REYNALES			
SILURIAN — THOROLD			
SILURIAN — CATARACT — GRIMSBY			
SILURIAN — CATARACT — CABOT HEAD			
SILURIAN — CATARACT — MANITOULIN			
SILURIAN — CATARACT — WHIRLPOOL			
ORDOVICIAN — QUEENSTON			
ORDOVICIAN — MEAFORD-DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES m	MQC		

LATITUDE 43-45-00 N

LONGITUDE 81-43-00 W SEQ 18

CONFIDENTIAL 1981 12 31

SPUDDED 1980 12 15

COMPLETED 1980 12 31

ABANDONED

SPL TRAY No INDEX No

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	26.0KG	16.0M	CEMENTED	
140MM	21.0KG	95.9M	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

FINAL RESULTS

OIL

GAS

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

DST(S) ON FILE TREATMENT

TEAR CONCESSION LOT TOWNSHIP COUNTY

CLASS OTHER FIELD/POOL STATUS STRATIGRAPHIC TEST

COUNTY HURON TOWNSHIP GODERICH LOT CON

WELL NAME: FREEZE HOLE #19 GODERICH PERMIT NO.: 5479

OPERATOR DOMTAR CHEMICALS GROUP

DRILLING CO DURL HOPPER LTD. TOTAL DEPTH 95.0M PBTD

GEOLOGY BY PETROLEUM RESOURCES RIG TYPE ROT ELEV 180.0M+ 1.0M

CO-ORDINATES

GEOLOGICAL CONTACTS:	TOP m	ELEV m	THICK m
SAMPLES START AT m			
LAKE / GROUND LEVEL			
DRIFT / LAKE BOTTOM	1.0		
DEVONIAN — PRT LAMBTON			
DEVONIAN — HAMILTON — KETTLE POINT			
DEVONIAN — HAMILTON — MARCELLUS			
DEVONIAN — DUNDEE			
DEVONIAN — DETROIT RIVER — LUCAS	11.6		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	86.0		
DEVONIAN — DETROIT RIVER — BOIS BLANC			
SILURIAN — BASS ISLANDS			
SILURIAN — G UNIT SHALE			
SILURIAN — F UNIT SHALE			
SILURIAN — E UNIT CARB			
SILURIAN — D UNIT SALT			
SILURIAN — C UNIT SHALE			
SILURIAN — MARKER			
SILURIAN — B UNIT SALT			
SILURIAN — ANHY			
SILURIAN — CARB			
SILURIAN — A-2 UNIT SALT			
SILURIAN — ANHY			
SILURIAN — CARB			
SILURIAN — A-1 UNIT EVAP			
SILURIAN — GUELPH			
SILURIAN — ERAMOSA			
SILURIAN — AMABEL — GOAT ISLAND			
SILURIAN — AMABEL — GASPORT			
SILURIAN — AMABEL — ROCHESTER			
SILURIAN — AMABEL — IRONDEQUOIT			
SILURIAN — REYNALES			
SILURIAN — THOROLD			
SILURIAN — CATARACT — GRIMSBY			
SILURIAN — CATARACT — CABOT HEAD			
SILURIAN — CATARACT — MANITOULIN			
SILURIAN — CATARACT — WHIRLPOOL			
ORDOVICIAN — QUEENSTON			
ORDOVICIAN — MEAFORD-DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES m	MQC		

LATITUDE 43-45-00 N

LONGITUDE 81-43-00 W SEQ 19

CONFIDENTIAL 1981 11 14

SPUDDED 1980 11 05

COMPLETED 1980 11 14

ABANDONED

SPL TRAY No INDEX No

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	26.0KG	16.0M	CEMENTED	
140MM	21.1KG	95.0M	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

FINAL RESULTS

OIL

GAS

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

DST(S) ON FILE TREATMENT

TEAR CONCESSION LOT TOWNSHIP COUNTY

CLASS OTHER FIELD/POOL STATUS STRATIGRAPHIC TEST

COUNTY HURON TOWNSHIP GODERICH LOT CON

WELL NAME: FREEZE HOLE #20 GODERICH PERMIT NO.: 5478

OPERATOR DOMTAR CHEMICALS LTD TOTAL DEPTH 95.0M PBTD

DRILLING CO DURL HOPPER LTD. RIG TYPE ROT ELEV 180.0M+ 1.0M

GEOLOGY BY PETROLEUM RESOURCES CO-ORDINATES

LATITUDE 43-45-00 N

LONGITUDE 81-43-00 W SEQ 20

CONFIDENTIAL 1981 12 06

SPUDDED 1980 11 28

COMPLETED 1980 12 06

ABANDONED

SPL TRAY No INDEX No

GEOLOGICAL CONTACTS:		TOP m	ELEV m	THICK m
SAMPLES START AT m				
LAKE / GROUND LEVEL				
DRIFT / LAKE BOTTOM		1.0		
DEVONIAN	PRT LAMBTON			
	HAMILTON: KETTLE POINT			
	HAMILTON: MARCELLUS			
	HAMILTON: DUNDEE			
	DETROIT RIVER: LUCAS	11.6		
	DETROIT RIVER: AMHERSTBURG	86.0		
	DETROIT RIVER: BOIS BLANC			
	DETROIT RIVER: BASS ISLANDS			
SILURIAN	G UNIT SHALE			
	F UNIT SHALE			
	E UNIT CARB			
	D UNIT SALT			
	C UNIT SHALE			
	B UNIT MARKER			
	B UNIT SALT			
	B UNIT ANHY			
	B UNIT CARB			
	A-2 UNIT SALT			
	A-2 UNIT ANHY			
	A-1 UNIT CARB			
	A-1 UNIT EVAP			
	GUELPH			
	ERAMOSA			
	AMABEL: GOAT ISLAND			
	AMABEL: GASPORT			
	AMABEL: ROCHESTER			
	AMABEL: IRONDEQUOIT			
	REYNALES			
	THOROLD			
	CATARACT: GRIMSBY			
	CATARACT: CABOT HEAD			
	CATARACT: MANITOULIN			
	CATARACT: WHIRLPOOL			
ORDOVICIAN	QUEENSTON			
	MEAFORD-DUNDAS			
	COLLINGWOOD			
	TRENTON: COBOURG			
	TRENTON: VERULAM			
	TRENTON: KIRKFIELD			
	BLACK RIVER: COBOCONK			
	BLACK RIVER: GULL RIVER			
	BLACK RIVER: SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				
TOTAL DEPTH SAMPLES m		MOC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	26.0KG	16.0M	CEMENTED	
140MM	21.0KG	95.0M	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

FINAL RESULTS

OIL

GAS

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS OTHER FIELD/POOL STATUS STRATIGRAPHIC TEST

COUNTY HURON TOWNSHIP GODERICH LOT CON

WELL NAME: FREEZE HOLE #21 GODERICH PERMIT NO.: 5478

OPERATOR DOMTAR CHEMICALS GROUP TOTAL DEPTH 95.0M PBTD

DRILLING CO DURL HOPPER LTD. RIG TYPE ROT ELEV 180.0M+ 1.0M

GEOLOGY BY PETROLEUM RESOURCES CO-ORDINATES

LATITUDE 43-45-00 N

LONGITUDE 81-43-00 W SEQ 21

CONFIDENTIAL 1981 11 27

SPUDDED 1980 11 06

COMPLETED 1980 11 27

ABANDONED

SPL TRAY No INDEX No

GEOLOGICAL CONTACTS:		TOP m	ELEV m	THICK m
SAMPLES START AT m				
LAKE / GROUND LEVEL				
DRIFT / LAKE BOTTOM		1.0		
DEVONIAN	PRT LAMBTON			
	HAMILTON: KETTLE POINT			
	HAMILTON: MARCELLUS			
	HAMILTON: DUNDEE			
	DETROIT RIVER: LUCAS	11.6		
	DETROIT RIVER: AMHERSTBURG	86.0		
	DETROIT RIVER: BOIS BLANC			
	DETROIT RIVER: BASS ISLANDS			
SILURIAN	G UNIT SHALE			
	F UNIT SHALE			
	E UNIT CARB			
	D UNIT SALT			
	C UNIT SHALE			
	B UNIT MARKER			
	B UNIT SALT			
	B UNIT ANHY			
	B UNIT CARB			
	A-2 UNIT SALT			
	A-2 UNIT ANHY			
	A-1 UNIT CARB			
	A-1 UNIT EVAP			
	GUELPH			
	ERAMOSA			
	AMABEL: GOAT ISLAND			
	AMABEL: GASPORT			
	AMABEL: ROCHESTER			
	AMABEL: IRONDEQUOIT			
	REYNALES			
	THOROLD			
	CATARACT: GRIMSBY			
	CATARACT: CABOT HEAD			
	CATARACT: MANITOULIN			
	CATARACT: WHIRLPOOL			
ORDOVICIAN	QUEENSTON			
	MEAFORD-DUNDAS			
	COLLINGWOOD			
	TRENTON: COBOURG			
	TRENTON: VERULAM			
	TRENTON: KIRKFIELD			
	BLACK RIVER: COBOCONK			
	BLACK RIVER: GULL RIVER			
	BLACK RIVER: SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				
TOTAL DEPTH SAMPLES m		MOC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	26.0KG	16.0M	CEMENTED	
140MM	21.0KG	95.0M	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

FINAL RESULTS

OIL

GAS

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

DST(S) ON FILE TREATMENT

WELL SUMMARY CARDS LISTED ALPHABETICALLY BY COUNTY & TOWNSHIP

CLASS OTHER FIELD/POOL STATUS STRATIGRAPHIC TEST

COUNTY HURON TOWNSHIP GODERICH LOT CON

WELL NAME: FREEZE HOLE #22 GODERICH

OPERATOR: DOMTAR CHEMICALS LTD.

DRILLING CO: DURL HOPPER LTD.

GEOLOGY BY: PETROLEUM RESOURCES

PERMIT NO.: 5478

TOTAL DEPTH 95.0M PBTD

RIG TYPE ROT ELEV 180.0M+ 1.0M

CO-ORDINATES

LATITUDE 43-45-00 N

LONGITUDE 81-43-00 W SEQ 22

CONFIDENTIAL 1981 12 16

SPUDDED 1980 12 08

COMPLETED 1980 12 16

ABANDONED

SPL TRAY No INDEX No

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT m					
LAKE / GROUND LEVEL					
DRIFT / LAKE BOTTOM			1.0		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS			
		DUNDEE			
	DETROIT RIVER	LUCAS	11.6		
		AMHERSTBURG	86.0		
		BOIS BLANC			
SILURIAN	BASS ISLANDS				
		G UNIT SHALE			
		F UNIT SHALE			
		E UNIT CARB			
		D UNIT SALT			
		C UNIT SHALE			
		MARKER			
		B UNIT SALT			
		ANHY			
		CARB			
		A-2 UNIT SALT			
		ANHY			
		CARB			
		A-1 UNIT EVAP			
	GUELPH				
	ERAMOSA				
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES m			MQC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	26.0KG	16.0M	CEMENTED	
140MM	21.0KG	95.0M	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

FINAL RESULTS

OIL

GAS

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

D.S.T.(S) ON FILE TREATMENT

CLASS OTHER FIELD/POOL STATUS STRATIGRAPHIC TEST

COUNTY HURON TOWNSHIP GODERICH LOT CON

WELL NAME: FREEZE HOLE #23 GODERICH

OPERATOR: DOMTAR CHEMICALS GROUP

DRILLING CO: DURL HOPPER LTD.

GEOLOGY BY: PETROLEUM RESOURCES

PERMIT NO.: 5478

TOTAL DEPTH 95.0M PBTD

RIG TYPE ROT ELEV 180.0M+ 1.0M

CO-ORDINATES

LATITUDE 43-45-00 N

LONGITUDE 81-43-00 W SEQ 23

CONFIDENTIAL 1981 12 12

SPUDDED 1980 12 08

COMPLETED 1980 12 12

ABANDONED

SPL TRAY No INDEX No

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT m					
LAKE / GROUND LEVEL					
DRIFT / LAKE BOTTOM			1.0		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS			
		DUNDEE			
	DETROIT RIVER	LUCAS	11.6		
		AMHERSTBURG	86.0		
		BOIS BLANC			
SILURIAN	BASS ISLANDS				
		G UNIT SHALE			
		F UNIT SHALE			
		E UNIT CARB			
		D UNIT SALT			
		C UNIT SHALE			
		MARKER			
		B UNIT SALT			
		ANHY			
		CARB			
		A-2 UNIT SALT			
		ANHY			
		CARB			
		A-1 UNIT EVAP			
	GUELPH				
	ERAMOSA				
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES m			MQC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	26.0KG	16.0M	CEMENTED	
140MM	21.0KG	95.0M	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

FINAL RESULTS

OIL

GAS

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

D.S.T.(S) ON FILE TREATMENT

CLASS OTHER FIELD/POOL STATUS STRATIGRAPHIC TEST
COUNTY HURON TOWNSHIP GODERICH LOT CON
WELL NAME: FREEZE HOLE #25 GODERICH
OPERATOR: DOMTAR CHEMICALS LTD.
DRILLING CO: DURL HOPPER LTD.
GEOLOGY BY: PETROLEUM RESOURCES
PERMIT NO.: 5478
TOTAL DEPTH 95.0M PBTD
RIG TYPE ROT ELEV 180.0M+ 1.0M
CO-ORDINATES
LATITUDE 43-45-00 N
LONGITUDE 81-43-00 W SEQ 25
CONFIDENTIAL 1981 12 19
SPUDDED 1980 12 10
COMPLETED 1980 12 19
ABANDONED
SPL TRAY No INDEX No

GEOLOGICAL CONTACTS:	TOP m	ELEV m	THICK m
SAMPLES START AT m			
LAKE / GROUND LEVEL			
DRIFT / LAKE BOTTOM	1.0		
DEVONIAN — PRT LAMBTON			
DEVONIAN — HAMILTON — KETTLE POINT			
DEVONIAN — HAMILTON — MARCELLUS			
DEVONIAN — HAMILTON — DUNDEE			
DEVONIAN — DETROIT RIVER — LUCAS	11.6		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	86.0		
DEVONIAN — DETROIT RIVER — BOIS BLANC			
SILURIAN — BASS ISLANDS			
SILURIAN — G UNIT — SHALE			
SILURIAN — F UNIT — SHALE			
SILURIAN — E UNIT — CARB			
SILURIAN — D UNIT — SALT			
SILURIAN — C UNIT — SHALE			
SILURIAN — B UNIT — MARKER			
SILURIAN — B UNIT — SALT			
SILURIAN — B UNIT — ANHY			
SILURIAN — B UNIT — CARB			
SILURIAN — A-2 UNIT — SALT			
SILURIAN — A-2 UNIT — ANHY			
SILURIAN — A-2 UNIT — CARB			
SILURIAN — A-1 UNIT — EVAP			
SILURIAN — GUELPH			
SILURIAN — ERAMOSA			
SILURIAN — AMABEL — GOAT ISLAND			
SILURIAN — AMABEL — GASPORT			
SILURIAN — AMABEL — ROCHESTER			
SILURIAN — AMABEL — IRONDEQUOIT			
SILURIAN — CATARACT — REYNALES			
SILURIAN — CATARACT — THOROLD			
SILURIAN — CATARACT — GRIMSBY			
SILURIAN — CATARACT — CABOT HEAD			
SILURIAN — CATARACT — MANITOULIN			
SILURIAN — CATARACT — WHIRLPOOL			
ORDOVICIAN — QUEENSTON			
ORDOVICIAN — MEAFORD-DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES m	MOC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	26.0KG	16.0M	CEMENTED	
140MM	21.0KG	95.0M	CEMENTED	

LOGGING RECORD
LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION	STORED		*ANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

FINAL RESULTS
OIL
GAS
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

D&T(S) ON FILE TREATMENT

CLASS OTHER FIELD/POOL STATUS STRATIGRAPHIC TEST
COUNTY HURON TOWNSHIP GODERICH LOT CON
WELL NAME: FREEZE HOLE #26 GODERICH
OPERATOR: DOMTAR CHEMICALS GROUP
DRILLING CO: DURL HOPPER LTD.
GEOLOGY BY: PETROLEUM RESOURCES
PERMIT NO.: 5478
TOTAL DEPTH 95.0M PBTD
RIG TYPE ROT ELEV 180.0M+ 1.0M
CO-ORDINATES
LATITUDE 43-45-00 N
LONGITUDE 81-43-00 W SEQ 26
CONFIDENTIAL 1981 12 15
SPUDDED 1980 12 09
COMPLETED 1980 12 15
ABANDONED
SPL TRAY No INDEX No

GEOLOGICAL CONTACTS:	TOP m	ELEV m	THICK m
SAMPLES START AT m			
LAKE / GROUND LEVEL			
DRIFT / LAKE BOTTOM	1.0		
DEVONIAN — PRT LAMBTON			
DEVONIAN — HAMILTON — KETTLE POINT			
DEVONIAN — HAMILTON — MARCELLUS			
DEVONIAN — HAMILTON — DUNDEE			
DEVONIAN — DETROIT RIVER — LUCAS	11.6		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	86.0		
DEVONIAN — DETROIT RIVER — BOIS BLANC			
SILURIAN — BASS ISLANDS			
SILURIAN — G UNIT — SHALE			
SILURIAN — F UNIT — SHALE			
SILURIAN — E UNIT — CARB			
SILURIAN — D UNIT — SALT			
SILURIAN — C UNIT — SHALE			
SILURIAN — B UNIT — MARKER			
SILURIAN — B UNIT — SALT			
SILURIAN — B UNIT — ANHY			
SILURIAN — B UNIT — CARB			
SILURIAN — A-2 UNIT — SALT			
SILURIAN — A-2 UNIT — ANHY			
SILURIAN — A-2 UNIT — CARB			
SILURIAN — A-1 UNIT — EVAP			
SILURIAN — GUELPH			
SILURIAN — ERAMOSA			
SILURIAN — AMABEL — GOAT ISLAND			
SILURIAN — AMABEL — GASPORT			
SILURIAN — AMABEL — ROCHESTER			
SILURIAN — AMABEL — IRONDEQUOIT			
SILURIAN — CATARACT — REYNALES			
SILURIAN — CATARACT — THOROLD			
SILURIAN — CATARACT — GRIMSBY			
SILURIAN — CATARACT — CABOT HEAD			
SILURIAN — CATARACT — MANITOULIN			
SILURIAN — CATARACT — WHIRLPOOL			
ORDOVICIAN — QUEENSTON			
ORDOVICIAN — MEAFORD-DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES m	MOC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	26.0KG	16.0M	CEMENTED	
140MM	21.0KG	95.0M	CEMENTED	

LOGGING RECORD
LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION	STORED		*ANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

FINAL RESULTS
OIL
GAS
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

D&T(S) ON FILE TREATMENT

CLASS OTHER FIELD/POOL STATUS STRATIGRAPHIC TEST

COUNTY HURON TOWNSHIP GODERICH LOT CON

WELL NAME: FREEZE HOLE #27 GODERICH

OPERATOR DOMTAR CHEMICALS GROUP

DRILLING CO DURL HOPPER LTD.

GEOLOGY BY PETROLEUM RESOURCES

PERMIT NO.: 5478

TOTAL DEPTH 95.0M PBTD

RIG TYPE ROT ELEV 180.0M+ 1.0M

CO-ORDINATES

LATITUDE 43-45-00 N

LONGITUDE 81-43-00 W SEQ 27

CONFIDENTIAL 1981 11 29

SPUDDED 1980 11 06

COMPLETED 1980 11 29

ABANDONED

SPL TRAY No INDEX No

GEOLOGICAL CONTACTS:	TOP m	ELEV m	THICK m
SAMPLES START AT m			
LAKE / GROUND LEVEL			
DRIFT / LAKE BOTTOM	1.0		
DEVONIAN — PRT LAMBTON			
DEVONIAN — HAMILTON — KETTLE POINT			
DEVONIAN — HAMILTON — MARCELLUS			
DEVONIAN — HAMILTON — DUNDEE			
DEVONIAN — DETROIT RIVER — LUCAS	11.6		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	86.0		
DEVONIAN — BOIS BLANC			
SILURIAN — BASS ISLANDS			
SILURIAN — G UNIT EVAPORITE			
SILURIAN — F UNIT EVAPORITE			
SILURIAN — E UNIT CARB			
SILURIAN — D UNIT SALT			
SILURIAN — C UNIT EVAPORITE			
SILURIAN — C UNIT MARKER			
SILURIAN — B UNIT SALT			
SILURIAN — B UNIT ANHY			
SILURIAN — A-2 UNIT CARB			
SILURIAN — A-2 UNIT SALT			
SILURIAN — A-2 UNIT ANHY			
SILURIAN — A-1 UNIT CARB			
SILURIAN — A-1 UNIT EVAP			
SILURIAN — GUELPH			
SILURIAN — ERAMOSA			
SILURIAN — AMABEL — GOAT ISLAND			
SILURIAN — AMABEL — GASPORT			
SILURIAN — AMABEL — ROCHESTER			
SILURIAN — AMABEL — IRONDEQUOIT			
SILURIAN — REYNALES			
SILURIAN — THOROLD			
SILURIAN — CATARACT — GRIMSBY			
SILURIAN — CATARACT — CABOT HEAD			
SILURIAN — CATARACT — MANITOULIN			
SILURIAN — CATARACT — WHIRLPOOL			
ORDOVICIAN — QUEENSTON			
ORDOVICIAN — MEAFORD-DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES m	MOC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/s	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	26.0KG	16.0M	CEMENTED	
140MM	21.0KG	95.0M	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

FINAL RESULTS

OIL

GAS

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

D.S.T.(S) ON FILE TREATMENT

CLASS OTHER FIELD/POOL STATUS STRATIGRAPHIC TEST

COUNTY HURON TOWNSHIP GODERICH LOT CON

WELL NAME: FREEZE HOLE #28 GODERICH

OPERATOR DOMTAR CHEMICALS GROUP

DRILLING CO DURL HOPPER LTD.

GEOLOGY BY PETROLEUM RESOURCES

PERMIT NO.: 5478

TOTAL DEPTH 95.0M PBTD

RIG TYPE ROT ELEV 180.0M+ 1.0M

CO-ORDINATES

LATITUDE 43-45-00 N

LONGITUDE 81-43-00 W SEQ 28

CONFIDENTIAL 1981 12 05

SPUDDED 1980 11 29

COMPLETED 1980 12 05

ABANDONED

SPL TRAY No INDEX No

GEOLOGICAL CONTACTS:	TOP m	ELEV m	THICK m
SAMPLES START AT m			
LAKE / GROUND LEVEL			
DRIFT / LAKE BOTTOM	1.0		
DEVONIAN — PRT LAMBTON			
DEVONIAN — HAMILTON — KETTLE POINT			
DEVONIAN — HAMILTON — MARCELLUS			
DEVONIAN — HAMILTON — DUNDEE			
DEVONIAN — DETROIT RIVER — LUCAS	11.6		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	86.0		
DEVONIAN — BOIS BLANC			
SILURIAN — BASS ISLANDS			
SILURIAN — G UNIT EVAPORITE			
SILURIAN — F UNIT EVAPORITE			
SILURIAN — E UNIT CARB			
SILURIAN — D UNIT SALT			
SILURIAN — C UNIT EVAPORITE			
SILURIAN — C UNIT MARKER			
SILURIAN — B UNIT SALT			
SILURIAN — B UNIT ANHY			
SILURIAN — A-2 UNIT CARB			
SILURIAN — A-2 UNIT SALT			
SILURIAN — A-2 UNIT ANHY			
SILURIAN — A-1 UNIT CARB			
SILURIAN — A-1 UNIT EVAP			
SILURIAN — GUELPH			
SILURIAN — ERAMOSA			
SILURIAN — AMABEL — GOAT ISLAND			
SILURIAN — AMABEL — GASPORT			
SILURIAN — AMABEL — ROCHESTER			
SILURIAN — AMABEL — IRONDEQUOIT			
SILURIAN — REYNALES			
SILURIAN — THOROLD			
SILURIAN — CATARACT — GRIMSBY			
SILURIAN — CATARACT — CABOT HEAD			
SILURIAN — CATARACT — MANITOULIN			
SILURIAN — CATARACT — WHIRLPOOL			
ORDOVICIAN — QUEENSTON			
ORDOVICIAN — MEAFORD-DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES m	MOC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/s	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	26.0KG	16.0M	CEMENTED	
140MM	21.0KG	95.0M	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

FINAL RESULTS

OIL

GAS

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

D.S.T.(S) ON FILE TREATMENT

CLASS OTHER FIELD/POOL STATUS STRATIGRAPHIC TEST
COUNTY HURON TOWNSHIP GODERICH LOT CON
WELL NAME: FREEZE HOLE #29 GODERICH PERMIT NO.: 5478
OPERATOR DOMTAR CHEMICALS GROUP TOTAL DEPTH 95.0M PBTD
DRILLING CO DURL HOPPER LTD. RIG TYPE ROT ELEV 180.0M+ 1.0M
GEOLOGY BY PETROLEUM RESOURCES CO-ORDINATES
LATITUDE 43-45-00 N
LONGITUDE 81-43-00 W SEQ 29
CONFIDENTIAL 1981 11 16
SPUDDED 1980 11 07
COMPLETED 1980 11 16
ABANDONED
SPL TRAY No INDEX No

GEOLOGICAL CONTACTS:		TOP m	ELEV m	THICK m
SAMPLES START AT m				
LAKE / GROUND LEVEL				
DRIFT / LAKE BOTTOM		1.0		
DEVONIAN	PRT LAMBTON			
	HAMILTON: KETTLE POINT			
	HAMILTON: MARCELLUS			
	HAMILTON: DUNDEE			
	DETROIT RIVER: LUCAS	11.6		
	DETROIT RIVER: AMHERSTBURG	86.0		
	BOIS BLANC			
	BASS ISLANDS			
SILURIAN	G UNIT: SHALE			
	F UNIT: SHALE			
	E UNIT: CARB			
	D UNIT: SALT			
	C UNIT: SHALE			
	B UNIT: MARKER			
	B UNIT: SALT			
	B UNIT: ARGY			
	B UNIT: CARB			
	A-2 UNIT: SALT			
	A-2 UNIT: ARGY			
	A-2 UNIT: CARB			
	A-1 UNIT: EVAP			
	GUELPH			
	ERAMOSA			
	AMABEL: GOAT ISLAND			
	AMABEL: GASPORT			
	AMABEL: ROCHESTER			
	AMABEL: IRONDEQUOIT			
	REYNALES			
	THOROLD			
	CATARACT: GRIMSBY			
	CATARACT: CABOT HEAD			
	CATARACT: MANITOULIN			
	CATARACT: WHIRLPOOL			
ORDOVICIAN	QUEENSTON			
	MEAFORD-DUNDAS			
	COLLINGWOOD			
	TRENTON: COBOURG			
	TRENTON: VERULAM			
	TRENTON: KIRKFIELD			
	BLACK RIVER: COBOCONK			
	BLACK RIVER: GULL RIVER			
	BLACK RIVER: SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				
TOTAL DEPTH SAMPLES m		MQC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	26.0KG	16.0M	CEMENTED	
140MM	21.0KG	95.0M	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

FINAL RESULTS
OIL
GAS
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS OTHER FIELD/POOL STATUS STRATIGRAPHIC TEST
COUNTY HURON TOWNSHIP GODERICH LOT CON
WELL NAME: FREEZE HOLE #30 GODERICH PERMIT NO.: 5478
OPERATOR DOMTAR CHEMICALS GROUP TOTAL DEPTH 95.0M PBTD
DRILLING CO DURL HOPPER LTD. RIG TYPE ROT ELEV 180.0M+ 1.0M
GEOLOGY BY PETROLEUM RESOURCES CO-ORDINATES
LATITUDE 43-45-00 N
LONGITUDE 81-43-00 W SEQ 30
CONFIDENTIAL 1981 12 19
SPUDDED 1980 12 12
COMPLETED 1980 12 19
ABANDONED
SPL TRAY No INDEX No

GEOLOGICAL CONTACTS:		TOP m	ELEV m	THICK m
SAMPLES START AT m				
LAKE / GROUND LEVEL				
DRIFT / LAKE BOTTOM		1.0		
DEVONIAN	PRT LAMBTON			
	HAMILTON: KETTLE POINT			
	HAMILTON: MARCELLUS			
	HAMILTON: DUNDEE			
	DETROIT RIVER: LUCAS	11.6		
	DETROIT RIVER: AMHERSTBURG	86.0		
	BOIS BLANC			
	BASS ISLANDS			
SILURIAN	G UNIT: SHALE			
	F UNIT: SHALE			
	E UNIT: CARB			
	D UNIT: SALT			
	C UNIT: SHALE			
	B UNIT: MARKER			
	B UNIT: SALT			
	B UNIT: ARGY			
	B UNIT: CARB			
	A-2 UNIT: SALT			
	A-2 UNIT: ARGY			
	A-2 UNIT: CARB			
	A-1 UNIT: EVAP			
	GUELPH			
	ERAMOSA			
	AMABEL: GOAT ISLAND			
	AMABEL: GASPORT			
	AMABEL: ROCHESTER			
	AMABEL: IRONDEQUOIT			
	REYNALES			
	THOROLD			
	CATARACT: GRIMSBY			
	CATARACT: CABOT HEAD			
	CATARACT: MANITOULIN			
	CATARACT: WHIRLPOOL			
ORDOVICIAN	QUEENSTON			
	MEAFORD-DUNDAS			
	COLLINGWOOD			
	TRENTON: COBOURG			
	TRENTON: VERULAM			
	TRENTON: KIRKFIELD			
	BLACK RIVER: COBOCONK			
	BLACK RIVER: GULL RIVER			
	BLACK RIVER: SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				
TOTAL DEPTH SAMPLES m		MQC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	26.0KG	16.0M	CEMENTED	
140MM	21.0KG	95.0M	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

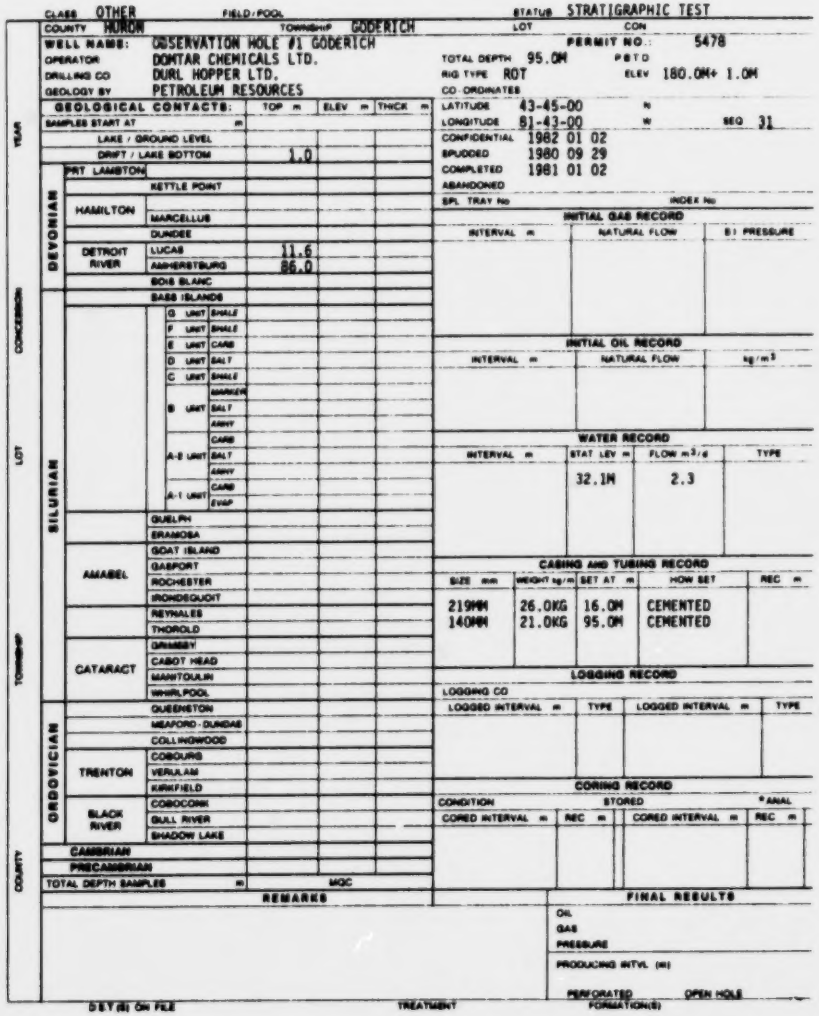
CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

FINAL RESULTS
OIL
GAS
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT



CLASS OTHER FIELD/POOL STATUS STRATIGRAPHIC TEST

COUNTY HURON TOWNSHIP GODERICH LOT CON

WELL NAME: OBSERVATION HOLE #1 GODERICH PERMIT NO.: 5478

OPERATOR DOMTAR CHEMICALS LTD. TOTAL DEPTH 95.0M PBTD

DRILLING CO DURL HOPPER LTD. RIG TYPE ROT ELEV 180.0M+ 1.0M

GEOLOGY BY PETROLEUM RESOURCES CO-ORDINATES

LATITUDE 43-45-00 N

LONGITUDE 81-43-00 W SEQ 31

CONFIDENTIAL 1982 01 02

SPUDDED 1980 09 29

COMPLETED 1981 01 02

ABANDONED

SPL TRAY No INDEX No

GEOLOGICAL CONTACTS:	TOP m	ELEV m	THICK m
SAMPLES START AT m			
LAKE / GROUND LEVEL			
DRIFT / LAKE BOTTOM	1.0		
DEVONIAN — PRT LAMBTON			
DEVONIAN — KETTLE POINT			
DEVONIAN — HAMILTON			
DEVONIAN — MARCELLUS			
DEVONIAN — DUNDEE			
DEVONIAN — DETROIT RIVER — LUCAS	11.6		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	86.0		
DEVONIAN — BOIS BLANC			
SILURIAN — BASS ISLANDS			
SILURIAN — G UNIT SHALE			
SILURIAN — F UNIT SHALE			
SILURIAN — E UNIT CARB			
SILURIAN — D UNIT SALT			
SILURIAN — C UNIT SHALE			
SILURIAN — B UNIT MARKER			
SILURIAN — B UNIT SALT			
SILURIAN — B UNIT ANHY			
SILURIAN — A-2 UNIT CARB			
SILURIAN — A-2 UNIT SALT			
SILURIAN — A-2 UNIT ANHY			
SILURIAN — A-1 UNIT CARB			
SILURIAN — A-1 UNIT EVAP			
SILURIAN — GUELPH			
SILURIAN — ERAMOSA			
SILURIAN — AMABEL — GOAT ISLAND			
SILURIAN — AMABEL — GASPORT			
SILURIAN — AMABEL — ROCHESTER			
SILURIAN — AMABEL — IRONDEQUOIT			
SILURIAN — REYNALES			
SILURIAN — THOROLD			
SILURIAN — CATARACT — GRIMSBY			
SILURIAN — CATARACT — CABOT HEAD			
SILURIAN — CATARACT — MANITOULIN			
SILURIAN — CATARACT — WHIRLPOOL			
ORDOVICIAN — QUEENSTON			
ORDOVICIAN — MEAFORD-DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES m	MOC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	B1 PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	26.0KG	16.0M	CEMENTED	
140MM	21.0KG	95.0M	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION	STORED		*ANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

FINAL RESULTS

OIL

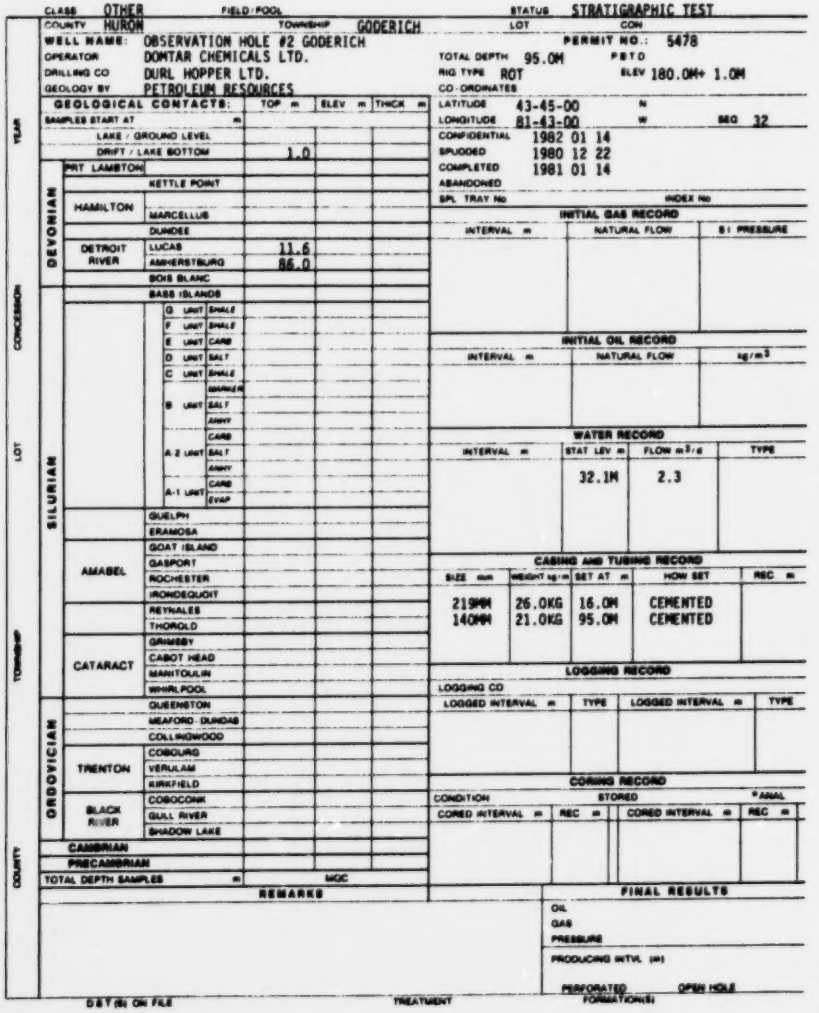
GAS

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

DST(s) ON FILE TREATMENT FORMATION(S)



CLASS OTHER FIELD/POOL STATUS STRATIGRAPHIC TEST

COUNTY HURON TOWNSHIP GODERICH LOT CON

WELL NAME: OBSERVATION HOLE #2 GODERICH PERMIT NO.: 5478

OPERATOR DOMTAR CHEMICALS LTD. TOTAL DEPTH 95.0M PBTD

DRILLING CO DURL HOPPER LTD. RIG TYPE ROT ELEV 180.0M+ 1.0M

GEOLOGY BY PETROLEUM RESOURCES CO-ORDINATES

LATITUDE 43-45-00 N

LONGITUDE 81-43-00 W SEQ 32

CONFIDENTIAL 1982 01 14

SPUDDED 1980 12 22

COMPLETED 1981 01 14

ABANDONED

SPL TRAY No INDEX No

GEOLOGICAL CONTACTS:	TOP m	ELEV m	THICK m
SAMPLES START AT m			
LAKE / GROUND LEVEL			
DRIFT / LAKE BOTTOM	1.0		
DEVONIAN — PRT LAMBTON			
DEVONIAN — KETTLE POINT			
DEVONIAN — HAMILTON			
DEVONIAN — MARCELLUS			
DEVONIAN — DUNDEE			
DEVONIAN — DETROIT RIVER — LUCAS	11.6		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	86.0		
DEVONIAN — BOIS BLANC			
SILURIAN — BASS ISLANDS			
SILURIAN — G UNIT SHALE			
SILURIAN — F UNIT SHALE			
SILURIAN — E UNIT CARB			
SILURIAN — D UNIT SALT			
SILURIAN — C UNIT SHALE			
SILURIAN — B UNIT MARKER			
SILURIAN — B UNIT SALT			
SILURIAN — B UNIT ANHY			
SILURIAN — A-2 UNIT CARB			
SILURIAN — A-2 UNIT SALT			
SILURIAN — A-2 UNIT ANHY			
SILURIAN — A-1 UNIT CARB			
SILURIAN — A-1 UNIT EVAP			
SILURIAN — GUELPH			
SILURIAN — ERAMOSA			
SILURIAN — AMABEL — GOAT ISLAND			
SILURIAN — AMABEL — GASPORT			
SILURIAN — AMABEL — ROCHESTER			
SILURIAN — AMABEL — IRONDEQUOIT			
SILURIAN — REYNALES			
SILURIAN — THOROLD			
SILURIAN — CATARACT — GRIMSBY			
SILURIAN — CATARACT — CABOT HEAD			
SILURIAN — CATARACT — MANITOULIN			
SILURIAN — CATARACT — WHIRLPOOL			
ORDOVICIAN — QUEENSTON			
ORDOVICIAN — MEAFORD-DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES m	MOC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	B1 PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	26.0KG	16.0M	CEMENTED	
140MM	21.0KG	95.0M	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION	STORED		*ANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

FINAL RESULTS

OIL

GAS

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

DST(s) ON FILE TREATMENT FORMATION(S)

CLASS OTHER FIELD/POOL STATUS STRATIGRAPHIC TEST
COUNTY HURON TOWNSHIP GODERICH LOT CON
WELL NAME: CENTRE HOLE GODERICH PERMIT NO.: 5478
OPERATOR DOMTAR CHEMICALS GROUP TOTAL DEPTH 95.0M PBTD
DRILLING CO DURL HOPPER LTD. RIG TYPE ROT ELEV 180.0M+ 1.0M
GEOLOGY BY PETROLEUM RESOURCES CO-ORDINATES

GEOLOGICAL CONTACTS:	TOP m	ELEV m	THICK m
SAMPLES START AT m			
LAKE / GROUND LEVEL			
DRIFT / LAKE BOTTOM	1.0		
DEVONIAN — PRT LAMBTON			
DEVONIAN — KETTLE POINT			
DEVONIAN — HAMILTON — MARCELLUS			
DEVONIAN — DUNDEE			
DEVONIAN — DETROIT RIVER — LUCAS	11.6		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	86.0		
DEVONIAN — BOIS BLANC			
SILURIAN — BASS ISLANDS			
SILURIAN — G UNIT — SHALE			
SILURIAN — F UNIT — SHALE			
SILURIAN — E UNIT — CARB			
SILURIAN — D UNIT — SALT			
SILURIAN — C UNIT — SHALE			
SILURIAN — MARKER			
SILURIAN — B UNIT — SALT			
SILURIAN — ANHY			
SILURIAN — CARB			
SILURIAN — A-2 UNIT — SALT			
SILURIAN — ANHY			
SILURIAN — A-1 UNIT — CARB			
SILURIAN — EVAP			
SILURIAN — GUELPH			
SILURIAN — ERAMOSA			
SILURIAN — AMABEL — GOAT ISLAND			
SILURIAN — AMABEL — GASPORT			
SILURIAN — AMABEL — ROCHESTER			
SILURIAN — AMABEL — IRONDEQUOIT			
SILURIAN — REYNALES			
SILURIAN — THOROLD			
SILURIAN — CATARACT — GRIMSBY			
SILURIAN — CATARACT — CABOT HEAD			
SILURIAN — CATARACT — MANITOULIN			
SILURIAN — CATARACT — WHIRLPOOL			
ORDOVICIAN — QUEENSTON			
ORDOVICIAN — MEAFORD-DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — GULL RIVER			
ORDOVICIAN — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES m	MOC		

LATITUDE 43-45-00 N
LONGITUDE 81-43-00 W SEQ 33
CONFIDENTIAL 1981 12 31
SPUDDED 1980 12 23
COMPLETED 1980 12 31
ABANDONED
SPL TRAY No INDEX No

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
76MM	6.0KG	95M		

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

FINAL RESULTS
OIL
GAS
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(s) ON FILE TREATMENT

CLASS OTHER FIELD/POOL STATUS STRATIGRAPHIC TEST
COUNTY HURON TOWNSHIP GODERICH LOT CON
WELL NAME: HOLE #T4 GODERICH PERMIT NO.: 5478
OPERATOR DOMTAR CHEMICALS LTD. TOTAL DEPTH 95.0M PBTD
DRILLING CO DURL HOPPER LTD. RIG TYPE ROT ELEV 180.0M+ 1.0M
GEOLOGY BY PETROLEUM RESOURCES CO-ORDINATES

GEOLOGICAL CONTACTS:	TOP m	ELEV m	THICK m
SAMPLES START AT m			
LAKE / GROUND LEVEL			
DRIFT / LAKE BOTTOM	1.0		
DEVONIAN — PRT LAMBTON			
DEVONIAN — KETTLE POINT			
DEVONIAN — HAMILTON — MARCELLUS			
DEVONIAN — DUNDEE			
DEVONIAN — DETROIT RIVER — LUCAS	11.6		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	86.0		
DEVONIAN — BOIS BLANC			
SILURIAN — BASS ISLANDS			
SILURIAN — G UNIT — SHALE			
SILURIAN — F UNIT — SHALE			
SILURIAN — E UNIT — CARB			
SILURIAN — D UNIT — SALT			
SILURIAN — C UNIT — SHALE			
SILURIAN — MARKER			
SILURIAN — B UNIT — SALT			
SILURIAN — ANHY			
SILURIAN — CARB			
SILURIAN — A-2 UNIT — SALT			
SILURIAN — ANHY			
SILURIAN — A-1 UNIT — CARB			
SILURIAN — EVAP			
SILURIAN — GUELPH			
SILURIAN — ERAMOSA			
SILURIAN — AMABEL — GOAT ISLAND			
SILURIAN — AMABEL — GASPORT			
SILURIAN — AMABEL — ROCHESTER			
SILURIAN — AMABEL — IRONDEQUOIT			
SILURIAN — REYNALES			
SILURIAN — THOROLD			
SILURIAN — CATARACT — GRIMSBY			
SILURIAN — CATARACT — CABOT HEAD			
SILURIAN — CATARACT — MANITOULIN			
SILURIAN — CATARACT — WHIRLPOOL			
ORDOVICIAN — QUEENSTON			
ORDOVICIAN — MEAFORD-DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — GULL RIVER			
ORDOVICIAN — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES m	MOC		

LATITUDE 43-45-00 N
LONGITUDE 81-43-00 W SEQ 34
CONFIDENTIAL 1981 12 01
SPUDDED 1980 10 10
COMPLETED 1980 12 01
ABANDONED
SPL TRAY No INDEX No

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
	32.1M	2.3	

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	26.0KG	16.0M	CEMENTED	
140MM	21.0KG	95.0M	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

(REPLACES #24)

FINAL RESULTS
OIL
GAS
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(s) ON FILE TREATMENT

CLASS OTHER FIELD/POOL STATUS STRATIGRAPHIC

COUNTY HURON TOWNSHIP GODERICH LOT CON

WELL NAME: DOMINION DDH#2 GODERICH

OPERATOR DOMTAR CHEMICALS

DRILLING CO CEMENTATION CO.

GEOLOGY BY PETROLEUM RESOURCES

PERMIT NO.: 5779

TOTAL DEPTH 91.3M PBTD

RIG TYPE ROT ELEV 177.7M+ 0.6M

CO-ORDINATES

LATITUDE 43-44-52 N

LONGITUDE 81-43-29 W SEC 2

CONFIDENTIAL 1982 10 31

SPUDDED 1981 10 22

COMPLETED 1981 10 31

ABANDONED 1981 11 02

SPL TRAY No INDEX No

GEOLOGICAL CONTACTS:		TOP m	ELEV m	THICK m
SAMPLES START AT m				
LAKE / GROUND LEVEL				
DRIFT / LAKE BOTTOM		0.6		
DEVONIAN	PRT LAMBTON			
	HAMILTON — KETTLE POINT			
	HAMILTON — MARCELLUS			
	HAMILTON — DUNDEE			
	DETROIT RIVER — LUCAS			
	DETROIT RIVER — AMHERSTBURG			
	DETROIT RIVER — BOIS BLANC			
	DETROIT RIVER — BASS ISLANDS			
SILURIAN	G UNIT SHALE			
	F UNIT SHALE			
	E UNIT CARB			
	D UNIT SALT			
	C UNIT SHALE			
	B UNIT MARKER			
	B UNIT SALT			
	B UNIT ANHY			
	B UNIT CARB			
	A-2 UNIT SALT			
	A-2 UNIT ANHY			
	A-2 UNIT CARB			
	A-1 UNIT EVAP			
	GUELPH			
	ERAMOSA			
	AMABEL — GOAT ISLAND			
	AMABEL — GASPORT			
	AMABEL — ROCHESTER			
	AMABEL — IRONDEQUOIT			
	REYNALES			
	THOROLD			
	CATARACT — GRIMSBY			
	CATARACT — CABOT HEAD			
	CATARACT — MANITOULIN			
	CATARACT — WHIRLPOOL			
ORDOVICIAN	QUEENSTON			
	MEAFORD - DUNDAS			
	COLLINGWOOD			
	TRENTON — COBOURG			
	TRENTON — VERULAM			
	TRENTON — KIRKFIELD			
	BLACK RIVER — COBOCONK			
	BLACK RIVER — GULL RIVER			
	BLACK RIVER — SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				
TOTAL DEPTH SAMPLES m		MOC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	01 PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
NIL			

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
NIL				

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION	STORED		% ANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

NO SAMPLES

FINAL RESULTS

OIL

GAS

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATION(S) OPEN HOLE

DST(s) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS DRY HOLE -ABD

COUNTY KENT TOWNSHIP CAMDEN LOT 13 CON SOI

WELL NAME: A-P CAMDEN 4-13-SOI

OPERATOR ABITIBI-PRICE INC

DRILLING CO STEVENSON C.

GEOLOGY BY PETROLEUM RESOURCE

PERMIT NO.: 5762

TOTAL DEPTH 131.0M PBTD

RIG TYPE CAB ELEV 188.4M+ 1.3M

CO-ORDINATES 609.6M S; 527.3M E

LATITUDE 42-33-27 N

LONGITUDE 81-59-48 W SEC 1

CONFIDENTIAL 1981 10 16

SPUDDED 1981 09 09

COMPLETED 1981 09 16

ABANDONED 1981 09 21

SPL TRAY No 1699 INDEX No 1274

GEOLOGICAL CONTACTS:		TOP m	ELEV m	THICK m
SAMPLES START AT 20.6				
LAKE / GROUND LEVEL			188.4	
DRIFT / LAKE BOTTOM		1.3		
DEVONIAN	PRT LAMBTON			
	HAMILTON — KETTLE POINT			
	HAMILTON — MARCELLUS	20.1		
	HAMILTON — DUNDEE	93.6		
	DETROIT RIVER — LUCAS			
	DETROIT RIVER — AMHERSTBURG			
	DETROIT RIVER — BOIS BLANC			
	DETROIT RIVER — BASS ISLANDS			
SILURIAN	G UNIT SHALE			
	F UNIT SHALE			
	E UNIT CARB			
	D UNIT SALT			
	C UNIT SHALE			
	B UNIT MARKER			
	B UNIT SALT			
	B UNIT ANHY			
	B UNIT CARB			
	A-2 UNIT SALT			
	A-2 UNIT ANHY			
	A-2 UNIT CARB			
	A-1 UNIT EVAP			
	GUELPH			
	ERAMOSA			
	AMABEL — GOAT ISLAND			
	AMABEL — GASPORT			
	AMABEL — ROCHESTER			
	AMABEL — IRONDEQUOIT			
	REYNALES			
	THOROLD			
	CATARACT — GRIMSBY			
	CATARACT — CABOT HEAD			
	CATARACT — MANITOULIN			
	CATARACT — WHIRLPOOL			
ORDOVICIAN	QUEENSTON			
	MEAFORD DUNDAS			
	COLLINGWOOD			
	TRENTON — COBOURG			
	TRENTON — VERULAM			
	TRENTON — KIRKFIELD			
	BLACK RIVER — COBOCONK			
	BLACK RIVER — GULL RIVER			
	BLACK RIVER — SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				
TOTAL DEPTH SAMPLES 131.0		MOC	7	

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	01 PRESSURE
30.5-		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
19.5-			FRESH
131.0-	49.0		SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
339MM	71.4KG	6.0	OTHER	6.0
273MM	59.5KG	20.0	CASING SHOE	20.0
219MM	35.7KG	94.5	CASING SHOE	94.5

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION	STORED		% ANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

NO LOGS

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATION(S) OPEN HOLE

DST(s) ON FILE TREATMENT

CLASS NFW FIELD POOL STATUS GAS & OIL SHOW -ABD
COUNTY KENT TOWNSHIP HARWICH LOT 20 CON III
WELL NAME: DOW HARWICH S-20-111 PERMIT NO: 5522
OPERATOR DOW CHEMICAL CO.
DRILLING CO NEWPORT, JAMES R.
GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH	1194.5M PBTD		
RIG TYPE	CAB	ELEV	194.1M+ 1.1M
CO-ORDINATES	411.5M NI		45.7M W
LATITUDE	42-20-10 N		
LONGITUDE	82-04-48 W		SEQ 1
CONFIDENTIAL	1982 05 20		
SPUDDED	1981 03 11		
COMPLETED	1981 05 20		
ABANDONED	1981 05 28		
SPL TRAY No	7175	INDEX No	1264

GEOLOGICAL CONTACTS

			TOP m	ELEV m	THICK m
SAMPLES START AT			61.0		
LAKE / GROUND LEVEL				194.1	
DRIFT / LAKE BOTTOM			1.1		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	39.0		
		MARCELLUS	50.0		
	DETROIT RIVER	DUNDEE	109.9		
		LUCAS	153.0		
		AMHERSTBURG	186.8		
		BOIS BLANC	234.4		
		BASS ISLANDS	259.2		
SILURIAN		G UNIT SHALE	344.6		
		F UNIT SHALE	352.0		
		E UNIT CARB	378.2		
		D UNIT SALT	0.		
		C UNIT SHALE	422.7		
		MARKER	439.7		
		B UNIT SALT	0.		
		ANHY	453.5		
		CARB	454.6		
		A-2 UNIT SALT	0.		
		ANHY	477.5		
		CARB	479.1		
		A-1 UNIT EVAP	0.		
	GUELPH		496.0		
	ERAMOSA				
	AMABEL	GOAT ISLAND	543.8		
		GASPORT	570.9		
		ROCHESTER	582.7		
		IRONDEQUOIT	0.		
		REYNALES	592.0		
		THOROLD	0.		
		GRIMSBY	0.		
	CATARACT	CABOT HEAD	595.0		
		MANITOULIN	634.0		
		WHIRLPOOL	0.		
ORDOVICIAN		QUEENSTON	643.3		
		MEAFORD DUNDAS	749.1		
		COLLINGWOOD	900.5		
	TRENTON	COBOURG	910.4		
		VERULAM	989.7		
		KIRKFIELD	1034.0		
	BLACK RIVER	COBOCONK	1067.6		
		GULL RIVER	1177.8		
		SHADOW LAKE	1181.3		
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES	1195.0		MOC		?

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
24.0- 27.0	SHOW	
120.0- 121.0	SHOW	
1190.0-1192.0	SHOW	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
1186.0-1188.0	SHOW	

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
37.0- 40.0			FRESH
137.0- 140.0	24.0		SULPHUR
501.0- 503.0	416.0		SALT
1190.0-1192.0	15.0		

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
346MM	71.4KG	41.5	CASING SHOE	41.5
273MM	60.2KG	111.2	CASING SHOE	111.2
219MM	35.7KG	348.8	PACKER	332.4
178MM	34.2KG	600.0	CEMENTED	479.9

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0 - 1194.5	GRNL		

CORING RECORD

CONDITION		STORED		ANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

DYER BAY 0. FOSSIL HIL 0. DE CEW 0.
D UNIT EQU 419.3 B UNIT EQU 445.2

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED FORMATION(S) OPEN HOLE

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD POOL STATUS GAS AND OIL SHOW -ABD
COUNTY KENT TOWNSHIP LAKE ERIE LOT 220 CON W
WELL NAME CONSUMERS 13755 LAKE ERIE 220-W PERMIT NO 5582
OPERATOR CONSUMERS GAS CO.
DRILLING CO UNDERWATER GAS DEV
GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH	705.0M PBTD		
RIG TYPE	ROT	ELEV	174.7M+ 6.5M
CO-ORDINATES			
LATITUDE	42-10-27 N		
LONGITUDE	81-22-18 W		SEQ 1
CONFIDENTIAL	1981 07 08		
SPUDDED	1981 06 03		
COMPLETED	1981 06 08		
ABANDONED	1981 06 09		
SPL TRAY No	7190	INDEX No	1265

GEOLOGICAL CONTACTS

			TOP m	ELEV m	THICK m
SAMPLES START AT			99.0		
LAKE / GROUND LEVEL			6.5	174.7	
DRIFT / LAKE BOTTOM			30.2		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT	98.3		
		MARCELLUS	174.1		
	DETROIT RIVER	DUNDEE	253.0		
		LUCAS	278.4		
		AMHERSTBURG	302.0		
		BOIS BLANC	349.0		
		BASS ISLANDS	372.0		
SILURIAN		G UNIT SHALE	396.4		
		F UNIT SHALE	404.4		
		E UNIT CARB	430.7		
		D UNIT SALT	0.		
		C UNIT SHALE	442.6		
		MARKER	484.2		
		B UNIT SALT	0.		
		ANHY	498.5		
		CARB	504.5		
		A-2 UNIT SALT	0.		
		ANHY	520.0		
		CARB	522.2		
		A-1 UNIT EVAP	0.		
	GUELPH		532.1		
	ERAMOSA		0.		
	AMABEL	GOAT ISLAND	562.1		
		GASPORT	584.1		
		ROCHESTER	632.8		
		IRONDEQUOIT	0.		
		REYNALES	644.1		
		THOROLD	0.		
	CATARACT	GRIMSBY	648.2		
		CABOT HEAD	655.5		
		MANITOULIN	685.0		
		WHIRLPOOL	0.		
ORDOVICIAN		QUEENSTON	693.2		
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES	699.0		MOC		?

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
648.2- 656.5	SHOW	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
648.2- 656.5	SHOW	

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
532.1- 626.2		SHOW	SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	30.2	HANGING	30.2
244MM	53.6KG	99.4	CEMENTED	
178MM	29.8KG	247.9	CEMENTED	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
30.0- 703.5	GRNL	30.0- 703.5	DENL
30.0- 703.5	CALP	250.0- 703.0	LATL

CORING RECORD

CONDITION CC1		STORED 766		ANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
650.0- 667.0			

REMARKS

DYER BAY 0. D UNIT EQU 439.2 B UNIT EQU 490.2
DE CEW 626.2
SPRINGVALE AT BASE OF BOIS BLANC

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED FORMATION(S) OPEN HOLE

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD POOL STATUS GAS PRODUCER

COUNTY KENT TOWNSHIP LAKE ERIE LOT 290 CON I

WELL NAME PEMBINA-CAN.SUP LAKE ERIE 290-1 PERMIT NO 5730

OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 736.0M PBTD 529.8M

DRILLING CO PEMBINA DRILLIN CO RIG TYPE ROT ELEV 174.7M+ 5.5M

GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES

LATITUDE 42-08-31 N

LONGITUDE 81-26-23 W SEQ 1

CONFIDENTIAL 1981 09 30

SPUDDED 1981 08 21

COMPLETED 1981 08 30

ABANDONED

SPL TRAY No 7241 INDEX No 1266

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 152.0					
LAKE / GROUND LEVEL			5.5	174.7	
DRIFT / LAKE BOTTOM			30.3		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT	79.5		
		MARCELLUS	136.1		
		DUNDEE	198.0		
	DETROIT RIVER	LUCAS	211.7		
		AMHERSTBURG	0.		
		BOIS BLANC	257.0		
		BASS ISLANDS	311.0		
SILURIAN		Q UNIT SHALE	334.2		
		F UNIT SHALE	372.2		
		E UNIT CARB	380.9		
		D UNIT SALT	404.6		
		C UNIT SHALE	0.		
		MARKER	442.6		
		B UNIT SALT	468.1		
		ANHY	0.		
		CARB	482.0		
		A2 UNIT SALT	488.0		
		ANHY	0.		
		CARB	501.3		
		A1 UNIT EVAP	504.1		
	GUELPH		0.		
	ERAMOSA		507.0		
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER	650.0		
		IRONDEQUOIT			
		REYNALES			
		THOROLD	0.		
	CATARACT	GRIMSBY	667.0		
		CABOT HEAD	678.0		
		MANITOULIN	707.9		
		WHIRLPOOL	710.4		
ORDOVICIAN		QUEENSTON	712.6		
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 736.0			MOC		T

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
504.0- 529.3	15464 M3/D	5705 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	sg m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
340MM	71.4KG	99.2	CEMENTED	
193MM	39.3KG	148.6	CEMENTED	
114MM	14.1KG	535.1	CEMENTED	
60MM	7.0KG	508.0	HANGING	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
20.2- 101.2	SONL	149.0- 735.6	DIL
26.2- 735.6	CNFD	441.8- 529.8	CNPL

CORING RECORD

CONDITION CCI STORED 756 *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
506.0- 529.3	18.3	667.0- 686.0	19.0

REMARKS

D UNIT EQU 437.9 B UNIT EQU 475.1 DE CEV 646.2
FOSSIL NIL 664.8
POOR AGREEMENT BETWEEN LOG & SAMPLES
SPRINGVALE AT BASE OF BOIS BLANC

FINAL RESULTS

OIL NIL
GAS 15464 M3/D
PRESSURE 5705 KPA
PRODUCING INTVL (m) 511.0- 513.0
PERFORATED YES OPEN HOLE
FORMATION(S) GUELPH

1 DST(S) ON FILE TREATMENT

CLASS EXPLO FIELD POOL STATUS GAS PRODUCER

COUNTY KENT TOWNSHIP LAKE ERIE LOT 289 CON I

WELL NAME PEMBINA-CAN.SUP LAKE ERIE 289-1 PERMIT NO 5764

OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 502.0M PBTD 489.0M

DRILLING CO PEMBINA DRILLIN CO RIG TYPE ROT ELEV 174.7M+ 5.6M

GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES

LATITUDE 42-01-39 N

LONGITUDE 82-25-52 W SEQ 1

CONFIDENTIAL 1982 09 21

SPUDDED 1981 09 14

COMPLETED 1981 09 21

ABANDONED

SPL TRAY No 7243 INDEX No 1270

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 56.0					
LAKE GROUND LEVEL			5.6	174.7	
DRIFT LAKE BOTTOM			19.3		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS			
		DUNDEE	28.3		
	DETROIT RIVER	LUCAS	73.8		
		AMHERSTBURG	90.6		
		BOIS BLANC	0.		
		BASS ISLANDS	160.0		
SILURIAN		Q UNIT SHALE	193.0		
		F UNIT SHALE	200.0		
		E UNIT CARB	224.4		
		D UNIT SALT	0.		
		C UNIT SHALE	264.4		
		MARKER	281.1		
		B UNIT SALT	0.		
		ANHY	295.4		
		CARB	302.0		
		A2 UNIT SALT	0.		
		ANHY	318.1		
		CARB	319.0		
		A1 UNIT EVAP	0.		
	GUELPH		330.0		
	ERAMOSA				
	AMABEL	GOAT ISLAND	336.4		
		GASPORT	364.2		
		ROCHESTER	472.0		
		IRONDEQUOIT	0.		
		REYNALES	478.4		
		THOROLD	0.		
	CATARACT	GRIMSBY	483.0		
		CABOT HEAD	487.8		
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 502.0			MOC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
320.0- 343.0	4333 M3/D	3119 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	sg m3
339.8- 343.0	SHOW	
329.0- 332.7	SHOW	

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
340MM	71.4KG	50.1	CEMENTED	
193MM	39.3KG	198.9	CEMENTED	
114MM	14.1KG	489.0	CEMENTED	
60MM	7.0KG	319.6	HANGING	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
196.5- 501.4	DIL	196.5- 501.4	CNFD
196.5- 501.7	DIPM	16.2- 196.7	SONL
247.0- 351.9	CNPL		

CORING RECORD

CONDITION CCI STORED 756 *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
325.0- 343.3	18.3		

REMARKS

DE CEV 0. D UNIT EQU 258.8 B UNIT EQU 286.1
CRITICAL MISSING SAMPLES
UPPER PICKS INTERPETIVE, NO LOGS OR SAMPLES

FINAL RESULTS

OIL NIL
GAS 4333 M3/D
PRESSURE 3119 KPA
PRODUCING INTVL (m) 331.0- 334.0
335.2- 338.2
PERFORATED YES OPEN HOLE
FORMATION(S) GUELPH
GOAT ISLAND

1 DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD POOL STATUS GAS SHOW -ABD

COUNTY KENT TOWNSHIP LAKE ERIE LOT 289 CON W

WELL NAME: PEMB CAN-SUP #3 LAKE ERIE 289-W PERMIT NO S738

OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 507.0M PBTD ELEV 174.7M+ 5.5M

DRILLING CO PEMBINA DRILLIN CO RIG TYPE ROT

GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES

LATITUDE 42-00-28 N

LONGITUDE 82-27-49 W MEQ 1

CONFIDENTIAL 1982 09 13

SPUDDED 1981 09 03

COMPLETED 1981 09 13

ABANDONED 1981 09 13

SPL TRAY No 5282 INDEX No 1268

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT			100.0		
LAKE / GROUND LEVEL			5.5	174.7	
DRIFT / LAKE BOTTOM			17.7		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	0.		
		MARCELLUS	0.		
		DUNDEE	28.6		
	DETROIT RIVER	LUCAS	51.2		
		AMHERSTBURG	81.7		
	BOIS BLANC		116.3		
	BASS ISLANDS		142.7		
SILURIAN		G UNIT SHALE	190.0		
		F UNIT SHALE	196.5		
		E UNIT CARB	221.3		
		D UNIT SALT	0.		
		C UNIT SHALE	262.7		
		MARKER	275.5		
		B UNIT SALT	0.		
		ANHY	290.9		
		CARB	297.3		
		A-2 UNIT SALT	0.		
		ANHY	313.3		
		A-1 UNIT CARB	317.3		
		EVAP	0.		
	GUELPH		324.2		
	ERAMOSA		0.		
	AMABEL	GOAT ISLAND	406.3		
		GASPORT	427.5		
		ROCHESTER	469.0		
		IRONDEQUOIT	0.		
	REYNALES		475.9		
	THOROLD		0.		
	CATARACT	GRIMSBY	0.		
		CABOT HEAD	480.9		
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN	QUEENSTON				
	MEAFORD DUNDAS				
	COLLINGWOOD				
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 507.0 MOC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
306.0- 329.5	218 M3/D	2843 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	sg m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
130.0- 145.0			SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
340MM	71.4KG	48.7	CEMENTED	
193MM	39.3KG	97.6	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
15.5- 507.2	GRNL	15.5- 507.2	DENL
15.5- 507.2	CALP	78.0- 505.6	SONL
97.4- 507.1	IES		

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
311.0- 311.4		311.4- 330.3	18.1

REMARKS

DE CEM 0. D UNIT EQU 259.0 B UNIT EQU 280.6

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS EXPLO FIELD POOL STATUS GAS PRODUCER

COUNTY KENT TOWNSHIP LAKE ERIE LOT 300 CON B

WELL NAME: PEMBINA-CAN-SUP LAKE ERIE 300-B PERMIT NO S734

OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 505.0M PBTD 333.6M

DRILLING CO UNDERWATER GAS DEV RIG TYPE ROT ELEV 174.7M+ 6.9M

GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES

LATITUDE 41-59-30 N

LONGITUDE 82-26-06 W MEQ 1

CONFIDENTIAL 1982 08 31

SPUDDED 1981 08 27

COMPLETED 1981 08 31

ABANDONED

SPL TRAY No 2559 INDEX No 1769

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT			163.0		
LAKE - GROUND LEVEL			6.9	174.7	
DRIFT - LAKE BOTTOM			21.9		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS			
		DUNDEE	27.1		
	DETROIT RIVER	LUCAS	29.4		
		AMHERSTBURG	50.7		
	BOIS BLANC		74.7		
	BASS ISLANDS		99.1		
SILURIAN		G UNIT SHALE	185.6		
		F UNIT SHALE	192.7		
		E UNIT CARB	216.3		
		D UNIT SALT	0.		
		C UNIT SHALE	253.6		
		MARKER	267.4		
		B UNIT SALT	0.		
		ANHY	282.8		
		CARB	289.8		
		A-2 UNIT SALT	0.		
		ANHY	305.2		
		A-1 UNIT CARB	309.8		
		EVAP	0.		
	GUELPH				
	ERAMOSA				
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER	470.4		
		IRONDEQUOIT			
	REYNALES		481.4		
	THOROLD		0.		
	CATARACT	GRIMSBY	486.3		
		CABOT HEAD	491.8		
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN	QUEENSTON				
	MEAFORD DUNDAS				
	COLLINGWOOD				
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 505.0 MOC 6

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
305.5- 326.5	8303 M3/D	3020 KPA
342.0- 349.0	SHOW	2873 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	sg m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
273MM	75.9KG	21.9	HANGING	21.9
219MM	35.7KG	160.6	CEMENTED	
114MM	14.1KG	344.8	CEMENTED	
60MM	7.0KG	312.3	HANGING	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
165.0- 501.5	LATL	165.0- 505.0	DIPH
20.0- 505.0	CNFD	22.0- 505.0	SONL
250.0- 333.5	CNPL		

CORING RECORD

CONDITION CCI STORED 767 *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
308.1- 326.4	18.3		

REMARKS

D UNIT EQU 248.0 B UNIT EQU 273.1

CRITICAL MISSING SAMPLES

UPPER PICKS INTERPRETIVE, NO LOGS OR SAMPLES

FINAL RESULTS

OIL NIL

GAS 11130 M3/D

PRESSURE 2889 KPA

PRODUCING INTVL (m) 317.0- 320.0

PERFORATED YES OPEN HOLE

FORMATION(S) A1 CARBONATE

2 DST(S) ON FILE TREATMENT

WELL SUMMARY CARDS LISTED ALPHABETICALLY BY COUNTY & TOWNSHIP

CLASS EXTEN FIELD POOL STATUS GAS PRODUCER

COUNTY KENT TOWNSHIP LAKE ERIE LOT 308 CON W

WELL NAME: PEMB CAN-SUP #2 LAKE ERIE 308-W PERMIT NO 5746

OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 493.5M PBTD 488.7M

DRILLING CO PEMBINA DRILLIN CO RIG TYPE ROT ELEV 174.7M+ 5.9M

GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES

LATITUDE 41-55-32 N

LONGITUDE 82-27-46 W SEQ 1

CONFIDENTIAL 1982 09 30

SPUDDED 1981 09 24

COMPLETED 1981 09 30

ABANDONED

SPL TRAY No 3216 INDEX No 1272

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 56.0					
LAKE / GROUND LEVEL			5.9	174.7	
DRIFT / LAKE BOTTOM			19.1		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	0.		
		MARCELLUS	0.		
		DUNDEE	36.0		
	DETROIT RIVER	LUCAS	37.1		
		AMHERSTBURG	56.0		
		BOIS BLANC	81.3		
		BASS ISLANDS	145.5		
SILURIAN		G UNIT SHALE	183.2		
		F UNIT SHALE	190.5		
		E UNIT CARB	214.6		
		D UNIT SALT	0.		
		C UNIT SHALE	254.8		
		MARKER	265.0		
		B UNIT SALT	0.		
		ANHY	280.5		
		CARB	288.4		
		A-2 UNIT SALT	0.		
		ANHY	303.6		
		CARB	306.1		
		A-1 UNIT EVAP	0.		
	GUELPH		343.9		
	ERAMOSA		0.		
	AMABEL	GOAT ISLAND	395.2		
		GASPORT	447.3		
		ROCHESTER	470.2		
		IRONDEQUOIT	0.		
		REYNALES	473.4		
		THOROLD	0.		
		GRIMSBY	0.		
	CATARACT	CABOT HEAD	477.5		
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 493.5 MDC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S/ PRESSURE
306.0- 330.5	16341 M3/D	3110 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
51.0- 52.0	SHOW	
226.0- 228.8	SHOW	
318.0- 319.0	SHOW	
321.5- 322.5	SHOW	

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
340MM	71.4KG	49.4	CEMENTED	
193MM	39.3KG	198.1	CEMENTED	
114MM	14.1KG	468.7	CEMENTED	
60MM	7.0KG	307.9	HANGING	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
48.0- 198.9	GRNL	48.0- 198.9	DENL
48.0- 198.9	CALP	197.0- 492.1	LATL
14.5- 50.1	SONL	245.1- 340.0	CCL

CORING RECORD

CONDITION CC1 STORED 758 *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
312.0- 328.7			

REMARKS

D UNIT EQU 298.3 B UNIT EQU 270.6 DE CEV 463.2
SPRINGVALE AT BASE OF BOIS BLANC
GOAT ISLAND EQUALS WIARTON

DST(s) ON FILE TREATMENT

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED FORMATION(S) OPEN HOLE

CLASS DEVEL FIELD POOL STATUS GAS PRODUCER

COUNTY KENT TOWNSHIP LAKE ERIE LOT 353 CON W

WELL NAME: PEMB CAN-SUP #4 LAKE ERIE 353-W PERMIT NO 5752

OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 483.0M PBTD 337.2M

DRILLING CO UNDERWATER GAS DEV RIG TYPE ROT ELEV 174.7M+ 7.4M

GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES

LATITUDE 41-53-19 N

LONGITUDE 82-27-23 W SEQ 1

CONFIDENTIAL 1982 09 20

SPUDDED 1981 09 14

COMPLETED 1981 09 20

ABANDONED

SPL TRAY No 2617 INDEX No 1271

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 168.0					
LAKE / GROUND LEVEL			7.4	174.7	
DRIFT / LAKE BOTTOM			19.0		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	0.		
		MARCELLUS	0.		
		DUNDEE	30.6		
	DETROIT RIVER	LUCAS	39.4		
		AMHERSTBURG	58.6		
		BOIS BLANC	81.9		
		BASS ISLANDS	100.6		
SILURIAN		G UNIT SHALE	180.4		
		F UNIT SHALE	188.4		
		E UNIT CARB	212.4		
		D UNIT SALT	0.		
		C UNIT SHALE	254.0		
		MARKER	264.3		
		B UNIT SALT	0.		
		ANHY	280.0		
		CARB	288.1		
		A-2 UNIT SALT	0.		
		ANHY	303.0		
		CARB	306.9		
		A-1 UNIT EVAP	0.		
	GUELPH		311.6		
	ERAMOSA		0.		
	AMABEL	GOAT ISLAND	363.0		
		GASPORT	414.0		
		ROCHESTER	453.1		
		IRONDEQUOIT	0.		
		REYNALES	460.3		
		THOROLD	0.		
		GRIMSBY	0.		
	CATARACT	CABOT HEAD	465.6		
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 483.0 MDC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S/ PRESSURE
305.0- 324.0	16114 M3/D	3043 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	18.9	HANGING	18.9
219MM	35.7KG	165.3	CEMENTED	
114MM	14.1KG	347.6	CEMENTED	
60MM	7.0KG	304.8	HANGING	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION CC1 STORED 757 *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
305.5- 324.0			

REMARKS

OVER BAY 0. FOSSIL HIL 0. DE CEV 0.
D UNIT EQU 249.0 B UNIT EQU 270.4
SPRINGVALE AT BASE OF BOIS BLANC
GOAT ISLAND EQUALS WIARTON

DST(s) ON FILE TREATMENT

FINAL RESULTS

OIL NIL
GAS 16 M3/D
PRESSURE 3043 KPA
PRODUCING INTVL (m) 316.0- 319.0
PERFORATED FORMATION(S) YES OPEN HOLE GUELPH

CLASS DEVEL FIELD POOL STATUS GAS PROD, OIL SHOW
COUNTY KENT TOWNSHIP LAKE ERIE LOT 353 CON 5
WELL NAME: PEMBINA ET AL LAKE ERIE 353-S PERMIT NO 5731
OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 485.0M PBTD
DRILLING CO UNDERWATER GAS DEV RIG TYPE ROT ELEV 174.7M+ 7.0M
GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES
LATITUDE 41-51-54 N
LONGITUDE 82-26-32 W SEQ 1
CONFIDENTIAL 1981 09 24
SPUDDED 1981 08 19
COMPLETED 1981 08 24
ABANDONED
SPL TRAY No 4029 INDEX No 1267

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 77.0					
LAKE : GROUND LEVEL			7.0	174.7	
DRIFT : LAKE BOTTOM			19.7		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS			
	DUNDEE		25.2		
	DETROIT RIVER	LUCAS	40.2		
		AMHERSTBURG	60.0		
	BOIS BLANC		89.0		
	BASS ISLANDS		116.2		
SILURIAN		G UNIT SHALE	161.4		
		F UNIT SHALE	169.6		
		E UNIT CARB	196.6		
		D UNIT SALT	0.		
		C UNIT SHALE	231.3		
		MARKER	243.0		
		B UNIT SALT	0.		
		ANHY	258.8		
		CARB	267.1		
		A-2 UNIT SALT	0.		
		ANHY	282.8		
		CARB	286.8		
		A-1 UNIT EVAP	291.5		
	GUELPH		292.5		
	ERAMOSA				
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER	452.6		
		IRONDEQUOIT	0.		
	REYNALES		460.0		
	THOROLD		0.		
	CATARACT	GRIMSBY	465.4		
		CABOT HEAD	474.2		
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN	QUEENSTON				
	MEAFORD DUNDAS				
	COLLINGWOOD				
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 485.0 MQC 6

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	BH PRESSURE
285.0- 307.3	43981 M3/D	3010 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
288.8- 307.6	SHOW	

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
141.5- 142.5			SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	29.7	HANGING	19.7
219MM	35.7KG	73.4	CEMENTED	
114MM	14.0KG	366.9	CEMENTED	
60MM		289.5	HANGING	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
75.0- 480.5	LATL	19.0- 484.7	CNFD
27.0- 484.5	SONL	225.0- 347.0	CMPL

CORING RECORD

CONDITION CC1 STORED 765 *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
288.0- 289.0	1.0	289.0- 307.4	18.3

REMARKS

DE CEW 0. D UNIT EQU 225.9 B UNIT EQU 248.9
COLUMBUS FACIES PRESENT IN LUCAS
SPRINGVALE AT BASE OF BOIS BLANC
CRITICAL MISSING SAMPLES
UPPER PICKS INTERPRETIVE, NO LOGS OR SAMPLES

FINAL RESULTS

OIL NIL
GAS 43981 M3/D
PRESSURE 3010 KPA
PRODUCING INTVL (m)
PERFORATED FORMATION(S) YES OPEN HOLE

2 DST(S) ON FILE TREATMENT

CLASS NFW FIELD POOL STATUS GAS AND OIL SHOW -ABD
COUNTY KENT TOWNSHIP LAKE ERIE LOT 409 CON R
WELL NAME: PEMB CAN-SUP LAKE ERIE 409-R PERMIT NO 5752
OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 535.0M PBTD
DRILLING CO UNDERWATER GAS DEV RIG TYPE ROT ELEV 174.7M+ 6.9M
GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES
LATITUDE 41-42-22 N
LONGITUDE 82-27-19 W SEQ 1
CONFIDENTIAL 1982 09 13
SPUDDED 1981 09 08
COMPLETED 1981 09 13
ABANDONED 1981 09 13
SPL TRAY No 5250 INDEX No 317

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 150.0					
LAKE : GROUND LEVEL			6.9	174.7	
DRIFT : LAKE BOTTOM			19.8		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	0.		
		MARCELLUS	0.		
	DUNDEE		50.4		
	DETROIT RIVER	LUCAS	68.9		
		AMHERSTBURG	84.0		
	BOIS BLANC		95.7		
	BASS ISLANDS		98.3		
SILURIAN		G UNIT SHALE	170.5		
		F UNIT SHALE	179.2		
		E UNIT CARB	205.3		
		D UNIT SALT	0.		
		C UNIT SHALE	244.3		
		MARKER	255.3		
		B UNIT SALT	0.		
		ANHY	273.9		
		CARB	280.0		
		A-2 UNIT SALT	0.		
		ANHY	296.3		
		CARB	299.2		
		A-1 UNIT EVAP	0.		
	GUELPH		306.2		
	ERAMOSA		0.		
	AMABEL	GOAT ISLAND	362.4		
		GASPORT			
		ROCHESTER	458.6		
		IRONDEQUOIT			
	REYNALES		463.9		
	THOROLD		0.		
	CATARACT	GRIMSBY	0.		
		CABOT HEAD	468.5		
		MANITOULIN	505.3		
		WHIRLPOOL	0.		
ORDOVICIAN	QUEENSTON		514.2		
	MEAFORD DUNDAS				
	COLLINGWOOD				
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 535.0 MQC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	BH PRESSURE
297.5- 315.5	SHOW	2842 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
297.5- 315.5	SHOW	

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
297.5- 315.5			SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	19.8	HANGING	19.8
219MM	35.7KG	151.2	CEMENTED	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
20.0- 535.5	GRNL	20.0- 535.5	DENL
20.0- 535.5	CALP	151.0- 531.1	LATL
20.0-1523.5	SONL	159.0- 535.5	CDN

CORING RECORD

CONDITION CC1 STORED 755 *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
297.0- 315.5			

REMARKS

OVER BAY 0. D UNIT EQU 237.7 B UNIT EQU 261.0
COLUMBUS FACIES PRESENT IN LUCAS
GOAT ISLAND EQUALS WIARTON

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED FORMATION(S) OPEN HOLE

DST(S) ON FILE TREATMENT

CLASS OTHER FIELD/POOL STATUS OBSERVATION

COUNTY KENT TOWNSHIP RALEIGH LOT 1 CON VI

WELL NAME: CONSUMERS 33406 RALEIGH 3-1-VI PERMIT NO.: 5788

OPERATOR CONSUMERS GAS CO.

DRILLING CO CANADIAN LONGYEAR

GEOLOGY BY PETROLEUM RESOURCES

TOTAL DEPTH 533.8M PBTD 477.7M

RIG TYPE ROT ELEV 178.8M+ 1.0M

CO-ORDINATES 503.1M S: 150.9M E

LATITUDE 42-17-58 N

LONGITUDE 82-17-57 W SEQ 1

CONFIDENTIAL 1982 12 04

SPUDDED 1981 11 19

COMPLETED 1981 12 04

ABANDONED

SPL TRAY No 4035 INDEX No 1284

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 92.0 m					
LAKE / GROUND LEVEL					
DRIFT / LAKE BOTTOM			1.0		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS	32.7		
		DUNDEE	0.		
	DETROIT RIVER	LUCAS	85.0		
		AMHERSTBURG	119.8		
		BOIS BLANC	159.5		
		BASS ISLANDS	197.0		
SILURIAN		G UNIT SHALE	240.6		
		F UNIT SHALE	282.2		
		E UNIT CARB	289.4		
		D UNIT SALT	316.4		
		C UNIT SHALE	0.		
		MARKER	359.0		
		B UNIT SALT	380.5		
		ANHY	0.		
		CARB	395.0		
		A-2 UNIT SALT	401.3		
		ANHY	0.		
		CARB	421.5		
		A-1 UNIT EVAP	422.3		
		GUELPH	0.		
		ERAMOSA	436.7		
	AMABEL	GOAT ISLAND	475.6		
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 534.0 MQC 6

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
436.6 -	SH 4	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
104.0 - 106.0	SHOW	
397.0 - 410.0	SHOW	
418.4 - 432.0		
432.0 - 450.0		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
450.0 - 534.0			SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
114MM	12.9 KG	92.6	CEMENTED	
60MM	7.0 KG	479.0	CEMENTED	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
40.0 - 533.8	CNFD	65.0 - 533.8	IES
350.0 - 533.0	CMPL		

CORING RECORD

CONDITION CC1 STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
92.1 - 533.0		417.4 - 445.0		X

REMARKS

D UNIT EQU 354.8 B UNIT EQU 386.8
POOR AGREEMENT BETWEEN LOG & SAMPLES
CRITICAL MISSING SAMPLES
NO SAMPLES, CORE ONLY

FINAL RESULTS

OIL
GAS
PRESSURE
PRODUCING INTVL (m) 439.0 - 442.0
PERFORATED YES OPEN HOLE
FORMATION(S)

1 DST(S) ON FILE TREATMENT ACID

CLASS DEVEL FIELD/POOL STATUS OIL PRODUCER

COUNTY KENT TOWNSHIP TILBURY EAST LOT 2 CON VIII

WELL NAME: CONSUMERS 33323 TILBURY EAST 7-2-VIII PERMIT NO.: 5605

OPERATOR CONSUMERS GAS CO.

DRILLING CO UNDERWATER GAS DEV

GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 559.0M PBTD

RIG TYPE ROT ELEV 181.7M + 1.8M

CO-ORDINATES 167.7M N: 150.9E

LATITUDE 42-16-56 N

LONGITUDE 82-17-58 W SEQ 1

CONFIDENTIAL 1981 06 25

SPUDDED 1981 05 20

COMPLETED 1981 05 25

ABANDONED

SPL TRAY No 3175 INDEX No 1276

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 90.0					
LAKE / GROUND LEVEL					
DRIFT / LAKE BOTTOM			1.8		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	0.		
		MARCELLUS	32.5		
		DUNDEE	0.		
	DETROIT RIVER	LUCAS	79.5		
		AMHERSTBURG	120.0		
		BOIS BLANC	156.5		
		BASS ISLANDS	170.5		
SILURIAN		G UNIT SHALE	223.0		
		F UNIT SHALE	267.5		
		E UNIT CARB	275.0		
		D UNIT SALT	301.9		
		C UNIT SHALE	0.		
		MARKER	343.3		
		B UNIT SALT	373.0		
		ANHY	0.		
		CARB	387.0		
		A-2 UNIT SALT	394.5		
		ANHY	0.		
		CARB	413.0		
		A-1 UNIT EVAP	416.0		
		GUELPH	0.		
		ERAMOSA	425.0		
	AMABEL	GOAT ISLAND	0.		
		GASPORT	493.0		
		ROCHESTER	531.5		
		IRONDEQUOIT	542.0		
		REYNALES	0.		
		THOROLD	550.7		
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 413.8 MQC 6

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
429.0- 439.0		3544 KPA
418.5- 429.0		672 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
285.6-			SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
178MM	25.3KG	81.0	CEMENTED	
114MM	14.1KG	549.2	CEMENTED	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
25.0 - 558.0	CNFD	90.0 - 558.0	LATL

CORING RECORD

CONDITION CC1 STORED *ANAL

CORED INTERVAL m	REC m		CORED INTERVAL m	REC m	
413.4 - 428.7	15.3	X	428.7 - 440.7	12.1	X

REMARKS

DE CEV 0. D UNIT EQU 338.8 B UNIT EQU 379.1
COLUMBUS FACIES PRESENT IN LUCAS
LOG AND SAMPLES DEPTHS DISAGREE BY A CONSTANT FACTOR
SPRINGVALE AT BASE OF BOIS BLANC
CRITICAL MISSING SAMPLES

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m) 420.0- 422.0
429.0- 427.5 429.8- 433.9
PERFORATED OPEN HOLE
FORMATION(S) A1 CARBONATE
GUELPH

2 DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS OIL SHOW -ABD
COUNTY KENT TOWNSHIP ZONE LOT 15 CON VI
WELL NAME: A-P ZONE 2-15-VI .
OPERATOR ABITIBI-PRICE INC
DRILLING CO STEVENSON C.
GEOLOGY BY PETROLEUM RESOURCE
PERMIT NO.: 5735
TOTAL DEPTH 140.2M PBTD
RIG TYPE CAB ELEV 199.9M+ 1.2M
CO-ORDINATES 213.4M S: 91.4M W
LATITUDE 42-38-56 N
LONGITUDE 81-54-52 W SEQ 1
CONFIDENTIAL 1982 08 28
SPUDDED 1981 08 05
COMPLETED 1981 08 28
ABANDONED 1981 09 04
SPL TRAY No 1699 INDEX No 1273

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 42.0					
LAKE / GROUND LEVEL				199.9	
DRIFT / LAKE BOTTOM			1.2		
DEVONIAN	PRT LAMBTON		0.		
	KETTLE POINT		0.		
	HAMILTON		42.1		
		MARCELLUS			
		DUNDEE	78.9		
	DETROIT RIVER	LUCAS	114.9		
		AMHERSTBURG			
		BOIS BLANC			
		BASS ISLANDS			
SILURIAN		G UNIT SHALE			
		F UNIT SHALE			
		E UNIT CARB			
		D UNIT SALT			
		C UNIT SHALE			
		MARKER			
		B UNIT SALT			
		ANHY			
		CARB			
		A-2 UNIT SALT			
		ANHY			
		CARB			
		A-1 UNIT EVAP			
		GUELPH			
		ERAMOSA			
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
		GRIMSBY			
	CATARACT	CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 138.9			MOC	7	

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
35.0-	SHOW	
319.4- 324.0	SHOW	
351.1- 352.6	SHOW	2250 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
114.6- 117.0	1.0 M3/D	

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
4.2-			FRESH
56.4-	28.0		SULPHUR
69.5-			SULPHUR
114.6-	41.0		SULPHUR
134.4- 140.0	1.5		SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
339MM	71.4KG	41.9		4.9
219MM	35.7KG	41.4	CASING SHOE	26.8
178MM	29.8KG	68.4	CASING SHOE	68.4
140MM	20.8KG	91.4	CEMENTED	77.0

LOGGING RECORD
LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 441.5	GRNL		

CORING RECORD

CONDITION	STORED	*ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS
COLUMBUS FACIES PRESENT IN LUCAS

FINAL RESULTS
OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS NPW FIELD/POOL STATUS OIL SHOW -ABD
COUNTY KENT TOWNSHIP ZONE LOT 21 CON RR
WELL NAME: A-P ZONE 3-21-RR .
OPERATOR ABITIBI-PRICE INC
DRILLING CO SHAW
GEOLOGY BY PETROLEUM RESOURCE
PERMIT NO.: 5753
TOTAL DEPTH 125.0M PBTD
RIG TYPE CAB ELEV 206.0M+ 1.3M
CO-ORDINATES 442.0M S: 230.0M E
LATITUDE 42-36-43 N
LONGITUDE 81-50-22 W SEQ 1
CONFIDENTIAL 1982 09 14
SPUDDED 1981 09 09
COMPLETED 1981 09 14
ABANDONED 1981 09 29
SPL TRAY No 1699 INDEX No 1275

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 43.0					
LAKE / GROUND LEVEL				206.0	
DRIFT / LAKE BOTTOM			1.3		
DEVONIAN	PRT LAMBTON				
	KETTLE POINT				
	HAMILTON		20.0		
		MARCELLUS			
		DUNDEE	71.2		
	DETROIT RIVER	LUCAS	121.0		
		AMHERSTBURG			
		BOIS BLANC			
		BASS ISLANDS			
SILURIAN		G UNIT SHALE			
		F UNIT SHALE			
		E UNIT CARB			
		D UNIT SALT			
		C UNIT SHALE			
		MARKER			
		B UNIT SALT			
		ANHY			
		CARB			
		A-2 UNIT SALT			
		ANHY			
		CARB			
		A-1 UNIT EVAP			
		GUELPH			
		ERAMOSA			
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
		GRIMSBY			
	CATARACT	CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 128.0			MOC	7	

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
81.0- 84.0		
121.5- 122.0		
123.0- 124.5		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
38.0-		SHOW	FRESH
81.0- 84.0	15.0	7.6 M3	SULPHUR
122.0- 125.0	15.0	11.4 M3	SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
278MM	60.0KG	41.2	CASING SHOE	41.2
219MM	35.7KG	72.2	CASING SHOE	72.2

LOGGING RECORD
LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 125.0	GRNL		

CORING RECORD

CONDITION	STORED	*ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS
COLUMBUS FACIES PRESENT IN LUCAS

FINAL RESULTS
OIL SHOW
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS NFW FIELD/POOL STATUS OIL SHOW

COUNTY LAMBTON TOWNSHIP BROOKE LOT 10 CON IX

WELL NAME: SHELL-RAM BROOKE 3-10-IX PERMIT NO.: 5758

OPERATOR SHELL CANADA LTD.

DRILLING CO RAWLINGS DRILLING

GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 656.0M PBTD 644.8M

RIG TYPE CAB ELEV 214.4M+ 1.5M

CO-ORDINATES 442.0M S: 107.0M E

LATITUDE 42-51-49 N

LONGITUDE 81-56-11 W SEQ 1

CONFIDENTIAL 1982 10 03

SPUDDED 1981 09 03

COMPLETED 1981 10 03

ABANDONED

SPL TRAY No 7266 INDEX No 2376

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 16.0					
LAKE / GROUND LEVEL				214.4	
DRIFT / LAKE BOTTOM			1.5		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT	16.0		
		MARCELLUS	42.0		
	DETROIT RIVER	DUNDEE	116.0		
		LUCAS	141.0		
		AMHERSTBURG	164.0		
		BOIS BLANC	267.0		
		BASS ISLANDS	279.0		
SILURIAN		Q UNIT SHALE	320.2		
		F UNIT SHALE	327.2		
		E UNIT CARB	353.1		
		D UNIT SALT	392.0		
		C UNIT SHALE	400.2		
		MARKER	414.3		
		B UNIT SALT	423.0		
		ANHY	497.0		
		CARB	497.4		
		A-2 UNIT SALT	538.8		
		ANHY	546.6		
		CARB	598.4		
		A-1 UNIT EVAP	0.		
		GUELPH	576.6		
		ERAMOSA			
	AMABEL	GOAT ISLAND	596.0		
		GASPORT	625.0		
		ROCHESTER	630.0		
		IRONDEQUOIT	0.		
		REYNALES	644.5		
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD	647.1		
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 656.0 MOC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
60.0-	SHOW	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
126.0	SHOW	
575.0- 579.0	.2 M3/D	22.5

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
16.0-			FRESH
138.0 - 141.0	50.0		SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
339MM	71.4KG	16.5	CASING SHOE	
273MM	60.3KG	122.3	CASING SHOE	
219MM	35.7KG	329.1	CEMENTED	221.6
140MM	20.8KG	655.0	CEMENTED	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
329.0 - 654.0	SONL	340.0 - 649.5	LATL
30.0 - 654.5	CNFD	540.0 - 629.0	CMPL

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED YES OPEN HOLE

FORMATION(S)

D S T (S) ON FILE

TREATMENT ACID

CLASS NFW FIELD/POOL STATUS DRY HOLE

COUNTY LAMBTON TOWNSHIP BROOKE LOT 10 CON XIII

WELL NAME: MARSH #3 BROOKE 8-10-XIII PERMIT NO.: 5533

OPERATOR MARSH DRILLING

DRILLING CO MARSH DRILLING

GEOLOGY BY PETROLEUM RESOURCES

TOTAL DEPTH 625.0M PBTD

RIG TYPE CAB ELEV 217.7M + 0.3M

CO-ORDINATES 140.2M N: 109.7M W

LATITUDE 42-54-19 N

LONGITUDE 81-55-54 W SEQ 1

CONFIDENTIAL 1982 04 16

SPUDDED 1981 12 09

COMPLETED 1981 04 16

ABANDONED 1981 04 23

SPL TRAY No 6671 INDEX No 2332

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 18.0					
LAKE / GROUND LEVEL					
DRIFT / LAKE BOTTOM			0.3		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	18.0		
		MARCELLUS	40.0		
	DETROIT RIVER	DUNDEE	119.0		
		LUCAS	152.0		
		AMHERSTBURG	213.0		
		BOIS BLANC	249.0		
		BASS ISLANDS	291.0		
SILURIAN		Q UNIT SHALE	337.0		
		F UNIT SHALE	344.0		
		E UNIT CARB	368.0		
		D UNIT SALT	409.0		
		C UNIT SHALE	414.0		
		MARKER	427.0		
		B UNIT SALT	446.0		
		ANHY	512.0		
		CARB	518.0		
		A 2 UNIT SALT	566.0		
		ANHY	583.0		
		CARB	583.5		
		A-1 UNIT EVAP	617.0		
		GUELPH	623.0		
		ERAMOSA			
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 625.2 MOC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
18.3 -	4.6		FRESH
158.5 - 161.5	30.5	76.2	SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	60.3KG	18.3	CASING SHOE	18.3
219MM	35.7KG	129.5	CASING SHOE	129.5
178MM	29.8KG	350.5	CEMENTED	274.3

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

D UNIT EQU 405.0 B UNIT EQU 440.0

OIL STAIN NO MATCHING INITIAL OIL RECORD

FINAL RESULTS

OIL

GAS

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

D S T (S) ON FILE

TREATMENT

CLASS NFW FIELD POOL STATUS OIL SHOW -ABD

COUNTY LAMBTON TOWNSHIP BROOKE LOT 12 CON VIII

WELL NAME: SHELL RAM BROOKE 5-12-VIII PERMIT NO. 5702

OPERATOR SHELL CANADA LTD. TOTAL DEPTH 654.0M PBTD

DRILLING CO RAWLINGS DRILLING RIG TYPE CAB ELEV 212.9M+ 1.5M

GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES 380.0M N; 85.0M W

LATITUDE 42-50-47 N

LONGITUDE 81-55-00 W SEQ 1

CONFIDENTIAL 1982 08 20

SPUDDED 1981 07 14

COMPLETED 1981 08 20

ABANDONED 1981 08 27

SPL TRAY No 7260 INDEX No 2373

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 18.0					
LAKE / GROUND LEVEL				212.9	
DRIFT / LAKE BOTTOM			1.5		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	18.0		
		MARCELLUS	44.2		
		DUNDEE	121.8		
	DETROIT RIVER	LUCAS	136.6		
		AMHERSTBURG	213.8		
		BOIS BLANC	254.2		
		BASS ISLANDS	272.6		
SILURIAN		G UNIT SHALE	317.4		
		F UNIT SHALE	324.7		
		E UNIT CARB	356.6		
		D UNIT SALT	0.		
		C UNIT SHALE	393.3		
		MARKER	406.0		
		B UNIT SALT	413.1		
		ANHY	494.2		
		CARB	495.1		
		A 2 UNIT SALT	534.8		
		ANHY	542.4		
		CARB	544.4		
		A 1 UNIT EVAP	575.2		
	GUELPH		577.2		
	ERAMOSA				
	AMABEL	GOAT ISLAND	592.4		
		GASPORT	613.3		
		ROCHESTER	623.2		
		IRONDEQUOIT	0.		
		REYNALES	637.2		
		THOROLD	0.		
	CATARACT	GRIMSBY	0.		
		CABOT HEAD	641.3		
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 654.0 MOC T

REMARKS

DYER BAY 0. D UNIT EQU 388.9 B UNIT EQU 410.0

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
559.0- 562.0	SHOW	

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
19.0-	10.0		FRESH
168.0- 171.0	26.0		SULPHUR
583.0- 586.0	65.0		SALT

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
339MM	71.4KG	18.2	CASING SHOE	18.2
273MM	60.3KG	124.0	CASING SHOE	124.0
219MM	35.7KG	333.7	CEMENTED	231.9

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
334.0- 647.5	LATL	24.0- 651.5	GRNL
334.0- 651.5	DENL	334.0- 651.5	CALP

CORING RECORD

CONDITION	STORED			*ANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATION(S) OPEN HOLE

DST(S) ON FILE TREATMENT

CLASS NFW FIELD POOL STATUS DRY HOLE -ABD

COUNTY LAMBTON TOWNSHIP DAWN LOT 23 CON IV

WELL NAME: SHELL RAM DAWN 2-23-IV PERMIT NO. 5614

OPERATOR SHELL CANADA LTD. TOTAL DEPTH 659.0M PBTD

DRILLING CO RAWLINGS DRILLING RIG TYPE CAB ELEV 195.9M+ 1.5M

GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES 283.9M S; 300.0M W

LATITUDE 42-41-56 N

LONGITUDE 82-10-45 W SEQ 1

CONFIDENTIAL 1982 06 25

SPUDDED 1981 05 25

COMPLETED 1981 06 25

ABANDONED 1981 07 02

SPL TRAY No 7205 INDEX No 2351

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 21.0					
LAKE / GROUND LEVEL				195.9	
DRIFT / LAKE BOTTOM			1.5		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT	19.7		
		MARCELLUS	74.5		
		DUNDEE	164.5		
	DETROIT RIVER	LUCAS	184.0		
		AMHERSTBURG	289.4		
		BOIS BLANC	334.0		
		BASS ISLANDS	346.3		
SILURIAN		G UNIT SHALE	403.4		
		F UNIT SHALE	412.0		
		E UNIT CARB	433.4		
		D UNIT SALT	0.		
		C UNIT SHALE	478.6		
		MARKER	489.3		
		B UNIT SALT	0.		
		ANHY	503.4		
		CARB	508.9		
		A 2 UNIT SALT	0.		
		ANHY	548.0		
		CARB	553.0		
		A 1 UNIT EVAP	587.6		
	GUELPH		590.5		
	ERAMOSA				
	AMABEL	GOAT ISLAND	595.6		
		GASPORT	603.0		
		ROCHESTER	620.5		
		IRONDEQUOIT	0.		
		REYNALES	0.		
		THOROLD	0.		
	CATARACT	GRIMSBY	0.		
		CABOT HEAD	632.4		
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 659.0 MOC T

REMARKS

D UNIT EQU 474.0 B UNIT EQU 495.0

COLUMBUS FACIES PRESENT IN LUCAS

POOR AGREEMENT BETWEEN LOG & SAMPLES

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
195.0- 199.0	60.0		SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
339MM	71.4KG	20.8	CASING SHOE	20.8
273MM	60.3KG	165.0	CASING SHOE	165.0
219MM	35.7KG	400.4	CEMENTED	300.5

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 659.1	GRNL	400.0- 659.1	DENL

CORING RECORD

CONDITION	STORED			*ANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

FINAL RESULTS

OIL NIL

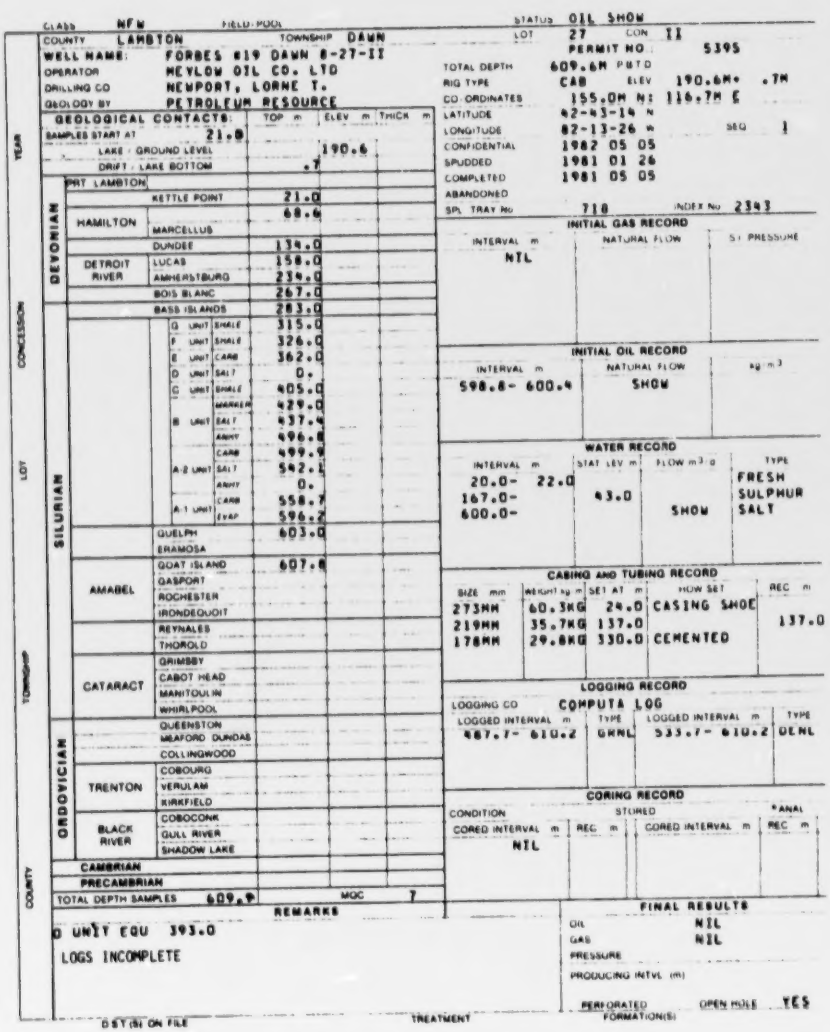
GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATION(S) OPEN HOLE

DST(S) ON FILE TREATMENT



CLASS NFW FIELD/POOL STATUS OIL SHOW
COUNTY LAMBTON TOWNSHIP DAWN LOT 27 CON II
WELL NAME: FORBES #19 DAWN 8-27-II PERMIT NO: 5395
OPERATOR MEYLOW OIL CO. LTD TOTAL DEPTH 609.6M PBTD
DRILLING CO NEWPORT, LORNE T. RIG TYPE CAB ELEV 190.6M+ .7M
GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES 155.0M N: 116.7M E
LATITUDE 42-43-14 N
LONGITUDE 82-13-26 W SEQ 1
CONFIDENTIAL 1982 05 05
SPUDDED 1981 01 26
COMPLETED 1981 05 05
ABANDONED
SPL TRAY No 718 INDEX No 2343

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 21.0					
LAKE - GROUND LEVEL				190.6	
DRIFT - LAKE BOTTOM			.7		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT	21.0		
		MARCELLUS	68.6		
		DUNDEE	134.0		
	DETROIT RIVER	LUCAS	158.0		
		AMHERSTBURG	234.0		
		BOIS BLANC	267.0		
		BASS ISLANDS	283.0		
SILURIAN		G UNIT SHALE	315.0		
		F UNIT SHALE	326.0		
		E UNIT CARB	362.0		
		D UNIT SALT	0.		
		ID UNIT SHALE	405.0		
		MARKER	429.0		
		B UNIT SALT	437.4		
		ANHY	496.8		
		CARB	499.9		
		A-2 UNIT SALT	542.1		
		ANHY	0.		
		CARB	558.7		
		A-1 UNIT EVAP	596.2		
	GUELPH		603.0		
	ERAMOSA				
	AMABEL	GOAT ISLAND	607.8		
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 609.9			MOC		7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
598.8- 600.4	SHOW	

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
20.0- 22.0	43.0	SHOW	FRESH
167.0-			SULPHUR
600.0-			SALT

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	60.3KG	24.0	CASING SHOE	137.0
219MM	35.7KG	137.0		
178MM	29.8KG	330.0	CEMENTED	

LOGGING RECORD

LOGGING CO	COMPUTA LOG			
LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE	
487.7- 610.2	GRNL	533.7- 610.2	DENL	

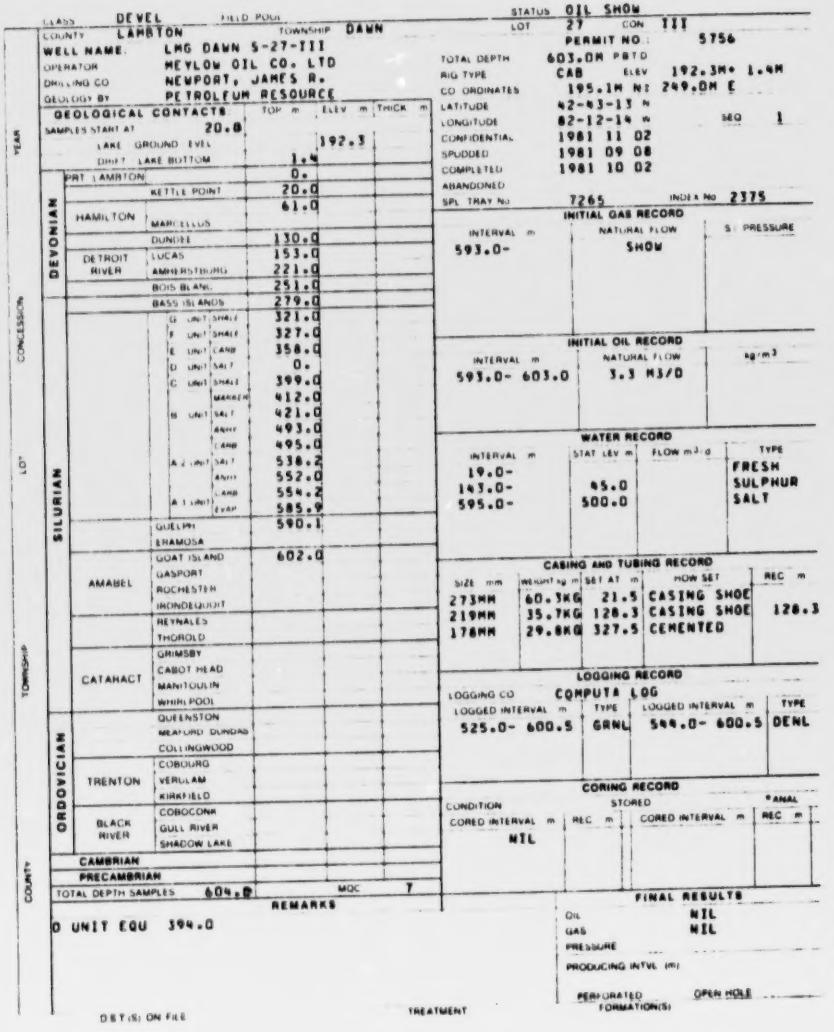
CORING RECORD

CONDITION	STORED			*ANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS
D UNIT EQU 393.0
LOGS INCOMPLETE

FINAL RESULTS
OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE YES
FORMATION(S)

DST(S) ON FILE TREATMENT



CLASS DEVEL FIELD/POOL STATUS OIL SHOW
COUNTY LAMBTON TOWNSHIP DAWN LOT 27 CON III
WELL NAME LMG DAWN 5-27-III PERMIT NO: 5756
OPERATOR MEYLOW OIL CO. LTD TOTAL DEPTH 603.0M PBTD
DRILLING CO NEWPORT, JAMES R. RIG TYPE CAB ELEV 192.3M+ 1.4M
GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES 195.1M N: 249.0M E
LATITUDE 42-43-13 N
LONGITUDE 82-12-14 W SEQ 1
CONFIDENTIAL 1981 11 02
SPUDDED 1981 09 08
COMPLETED 1981 10 02
ABANDONED
SPL TRAY No 7265 INDEX No 2375

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 20.0					
LAKE - GROUND LEVEL				192.3	
DRIFT - LAKE BOTTOM			1.4		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	20.0		
		MARCELLUS	61.0		
		DUNDEE	130.0		
	DETROIT RIVER	LUCAS	153.0		
		AMHERSTBURG	221.0		
		BOIS BLANC	251.0		
		BASS ISLANDS	279.0		
SILURIAN		G UNIT SHALE	321.0		
		F UNIT SHALE	327.0		
		E UNIT CARB	358.0		
		D UNIT SALT	0.		
		C UNIT SHALE	399.0		
		MARKER	412.0		
		B UNIT SALT	421.0		
		ANHY	493.0		
		CARB	495.0		
		A-2 UNIT SALT	538.2		
		ANHY	552.0		
		CARB	554.2		
		A-1 UNIT EVAP	585.9		
	GUELPH		590.1		
	ERAMOSA				
	AMABEL	GOAT ISLAND	602.0		
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 604.0			MOC		7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE
593.0-	SHOW	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
593.0- 603.0	3.3 M3/D	

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
19.0-			FRESH
143.0-	65.0		SULPHUR
595.0-	500.0		SALT

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	60.3KG	21.5	CASING SHOE	
219MM	35.7KG	128.3	CASING SHOE	128.3
178MM	29.8KG	327.5	CEMENTED	

LOGGING RECORD

LOGGING CO	COMPUTA LOG			
LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE	
525.0- 600.5	GRNL	544.0- 600.5	DENL	

CORING RECORD

CONDITION	STORED			*ANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS
D UNIT EQU 394.0

FINAL RESULTS
OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS NFW FIELD/POOL STATUS DRY HOLE -ABD

COUNTY LAMBTON TOWNSHIP DAWN LOT 27 CON XIV

WELL NAME: DOW DAWN 6-27-XIV

OPERATOR DOW CHEMICAL CO.

DRILLING CO NEWPORT, JAMES R.

GEOLOGY BY PETROLEUM RESOURCE

PERMIT NO.: 5704

TOTAL DEPTH 572.7M PBTD

RIG TYPE CAB ELEV 203.2M+ 1.2M

CO-ORDINATES 350.2M N; 617.9M E

LATITUDE 42-43-02 N

LONGITUDE 82-00-57 W SEQ 1

CONFIDENTIAL 1982 08 20

SPUDDED 1981 07 23

COMPLETED 1981 08 20

ABANDONED 1981 08 29

SPL TRAY No 7257 INDEX No 2368

GEOLOGICAL CONTACTS:	TOP m	ELEV m	THICK m
SAMPLES START AT 17.0			
LAKE / GROUND LEVEL		203.2	
DRIFT / LAKE BOTTOM	1.2		
DEVONIAN — PRT LAMBTON	17.5		
DEVONIAN — HAMILTON — KETTLE POINT	39.0		
DEVONIAN — HAMILTON — MARCELLUS	109.6		
DEVONIAN — DUNDEE	135.8		
DEVONIAN — DETROIT RIVER — LUCAS	198.1		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	247.0		
DEVONIAN — BOIS BLANC	267.8		
SILURIAN — BASS ISLANDS	304.4		
SILURIAN — G UNIT SHALE	311.4		
SILURIAN — F UNIT SHALE	337.0		
SILURIAN — E UNIT CARB	375.0		
SILURIAN — D UNIT SALT	380.7		
SILURIAN — C UNIT SHALE	391.1		
SILURIAN — MARKER			
SILURIAN — B UNIT SALT	470.0		
SILURIAN — ANHY	471.0		
SILURIAN — CARB	0.		
SILURIAN — A-2 UNIT SALT	513.0		
SILURIAN — ANHY	516.1		
SILURIAN — A-1 UNIT CARB	555.6		
SILURIAN — EVAP	569.0		
SILURIAN — GUELPH			
SILURIAN — ERAMOSA			
AMABEL — GOAT ISLAND			
AMABEL — GASPORT			
AMABEL — ROCHESTER			
AMABEL — IRONDEQUOIT			
SILURIAN — REYNALES			
SILURIAN — THOROLD			
CATARACT — GRIMSBY			
CATARACT — CABOT HEAD			
CATARACT — MANITOULIN			
CATARACT — WHIRLPOOL			
ORDOVICIAN — QUEENSTON			
ORDOVICIAN — MEAFORD-DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES 573.0		MOC	7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
563.0- 566.0	SHOW	

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
17.0-	6.0		FRESH
139.0- 142.0	59.0		SULPHUR
516.0- 520.0	228.0		SALT

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	60.2KG	18.0	CASING SHOE	18.0
219MM	35.7KG	110.3	PACKER	100.9
178MM	34.2KG	321.4		162.9

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 572.7	GRNL		

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

D UNIT EQU D. B UNIT EQU 399.8
COLUMBUS FACIES PRESENT IN LUCAS

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

D.S.T.(S) ON FILE TREATMENT

CLASS OTHER FIELD/POOL STATUS BRINE WELL

COUNTY LAMBTON TOWNSHIP DAWN LOT 28 CON IX

WELL NAME: HIGGS DISPOSAL DAWN 7-28-IX

OPERATOR HEYLOW OIL CO. LTD

DRILLING CO NEWPORT, LORNE T.

GEOLOGY BY PETROLEUM RESOURCE

PERMIT NO.: 5627

TOTAL DEPTH 228.6M PBTD

RIG TYPE CAB ELEV 201.5M+ .6M

CO-ORDINATES 115.0M S; 55.5M E

LATITUDE 42-43-34 N

LONGITUDE 82-06-23 W SEQ 1

CONFIDENTIAL 1982 06 26

SPUDDED 1981 06 01

COMPLETED 1981 06 26

ABANDONED

SPL TRAY No 7202 INDEX No 2350

GEOLOGICAL CONTACTS:	TOP m	ELEV m	THICK m
SAMPLES START AT 17.0			
LAKE / GROUND LEVEL		201.5	
DRIFT / LAKE BOTTOM	.6		
DEVONIAN — PRT LAMBTON	18.9		
DEVONIAN — HAMILTON — KETTLE POINT	36.0		
DEVONIAN — HAMILTON — MARCELLUS	109.0		
DEVONIAN — DUNDEE	134.0		
DEVONIAN — DETROIT RIVER — LUCAS	204.0		
DEVONIAN — DETROIT RIVER — AMHERSTBURG			
DEVONIAN — BOIS BLANC			
SILURIAN — BASS ISLANDS			
SILURIAN — G UNIT SHALE			
SILURIAN — F UNIT SHALE			
SILURIAN — E UNIT CARB			
SILURIAN — D UNIT SALT			
SILURIAN — C UNIT SHALE			
SILURIAN — MARKER			
SILURIAN — B UNIT SALT			
SILURIAN — ANHY			
SILURIAN — CARB			
SILURIAN — A-2 UNIT SALT			
SILURIAN — ANHY			
SILURIAN — A-1 UNIT CARB			
SILURIAN — EVAP			
SILURIAN — GUELPH			
SILURIAN — ERAMOSA			
AMABEL — GOAT ISLAND			
AMABEL — GASPORT			
AMABEL — ROCHESTER			
AMABEL — IRONDEQUOIT			
SILURIAN — REYNALES			
SILURIAN — THOROLD			
CATARACT — GRIMSBY			
CATARACT — CABOT HEAD			
CATARACT — MANITOULIN			
CATARACT — WHIRLPOOL			
ORDOVICIAN — QUEENSTON			
ORDOVICIAN — MEAFORD-DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES 228.0		MOC	7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
150.5- 228.6	51.8		SULPHUR
121.9-			SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	35.7KG	18.3	CASING SHOE	
140MM	26.0KG	135.3	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

COLUMBUS FACIES PRESENT IN LUCAS
NO LOGS

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

D.S.T.(S) ON FILE TREATMENT

NF 6 FIELD POOL STATUS DRY HOLE -ABD

COUNTY LAMBTON TOWNSHIP ENNISKILLEN LOT 4 CON V

WELL NAME: CAMEL TALCORP ENNISKILLEN 3-4-V PERMIT NO 5718

OPERATOR CAMEL TALCORP TOTAL DEPTH 659.2M PBTD

DRILLING CO RAWLINGS DRILLING RIG TYPE CAB ELEV 196.9M+ 1.2M

GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES 701.0M N; 213.4M E

LATITUDE 42-49-01 N

LONGITUDE 82-12-47 W SEQ 1

CONFIDENTIAL 1982 08 25

SPUDDED 1981 07 22

COMPLETED 1981 08 25

ABANDONED 1981 08 28

SPL TRAY No 7256 INDEX No 2367

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 22.0					
LAKE / GROUND LEVEL				196.9	
DRIFT : LAKE BOTTOM			1.2		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT	22.9		
		MARCELLUS	49.0		
	DETROIT RIVER	DUNDEE	124.5		
		LUCAS	149.0		
		AMHERSTBURG	233.4		
		BOIS BLANC	274.8		
		BASS ISLANDS	311.0		
SILURIAN		G UNIT SHALE	348.6		
		F UNIT SHALE	353.4		
		E UNIT CARB	380.7		
		D UNIT SALT	423.2		
		C UNIT SHALE	435.8		
		MARKER	456.8		
		B UNIT SALT	462.0		
		ANHY	541.3		
		CARB	542.3		
		A-2 UNIT SALT	583.4		
		ANHY	611.1		
		CARB	613.9		
		A-1 UNIT EVAP	646.6		
	GUELPH		648.0		
	ERAMOSA				
	AMABEL	GOAT ISLAND	656.8		
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 659.0 MQC 7

REMARKS

DST(S) ON FILE TREATMENT

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	sg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
170.0-	70.0		SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	18.0KG	23.0	CASING SHOE	23.0
219MM	10.4KG	124.0	CASING SHOE	124.0
178MM	9.1KG	355.0	CEMENTED	261.8

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 659.2	GRNL		

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATION(S) OPEN HOLE

CLASS DEVEL FIELD/POOL STATUS OIL PRODUCER

COUNTY LAMBTON TOWNSHIP ENNISKILLEN LOT 8 CON XIII

WELL NAME: REVALLEE ENNISKILLEN 8-8-XIII PERMIT NO: 5567

OPERATOR THIBODEAU, LEO J. TOTAL DEPTH 149.8M PBTD

DRILLING CO ASHBURN RIG TYPE CAB ELEV 205.1M+ .3M

GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES 90.5M N; 222.5M W

LATITUDE 42-54-29 N

LONGITUDE 82-10-43 W SEQ 1

CONFIDENTIAL 1981 04 05

SPUDDED 1981 03 05

COMPLETED 1981 03 12

ABANDONED

SPL TRAY No 6803 INDEX No 2336

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 31.0					
LAKE : GROUND LEVEL				205.1	
DRIFT : LAKE BOTTOM			.3		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS	31.0		
	DETROIT RIVER	DUNDEE	101.3		
		LUCAS	438.0		
		AMHERSTBURG			
		BOIS BLANC			
		BASS ISLANDS			
SILURIAN		G UNIT SHALE			
		F UNIT SHALE			
		E UNIT CARB			
		D UNIT SALT			
		C UNIT SHALE			
		MARKER			
		B UNIT SALT			
		ANHY			
		CARB			
		A-2 UNIT SALT			
		ANHY			
		CARB			
		A-1 UNIT EVAP			
	GUELPH				
	ERAMOSA				
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 149.8 MQC 7

REMARKS

DST(S) ON FILE TREATMENT

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	sg/m3
143.3- 144.8	1.0 M3/D	
119.8- 121.9	SHOW	

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
117.7-			SULPHUR
144.8- 148.8			SALT

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
18MM		3.1	CASING SHOE	
11MM		121.3		

LOGGING RECORD

LOGGING CO GREAT GUNS

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
121.9- 144.8	GRNL		

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

FINAL RESULTS

OIL 1.0 M3/D

GAS NIL

PRESSURE

PRODUCING INTVL (m) 143.3- 144.8

PERFORATED FORMATION(S) OPEN HOLE DUNDEE

CLASS DEVEL FIELD POOL STATUS OBSERVATION WELL

COUNTY LAMBTON TOWNSHIP ENNISKILLEN LOT 8 CON XIII

WELL NAME: REVALLEE ENNISKILLEN 8-8-XIII

OPERATOR THIBODEAU, LEO J.

DRILLING CO ASHBURN

GEOLOGY BY PETROLEUM RESOURCE

PERMIT NO 5570

TOTAL DEPTH 147.5M PBTD

RIG TYPE CAB ELEV 205.1M+ .3M

CO-ORDINATES 251.4M N: 75.2M W

LATITUDE 42-54-35 N

LONGITUDE 82-10-36 W SEQ 1

CONFIDENTIAL 1981 05 01

SPUDDED 1981 04 01

COMPLETED 1981 04 01

ABANDONED

SPL TRAY No 7198 INDEX No 2346

GEOLOGICAL CONTACTS		TOP m	ELEV m	THICK m
SAMPLES START AT		30.0		
LAKE / GROUND LEVEL			205.1	
DRIFT / LAKE BOTTOM		.3		
DEVONIAN	PRT LAMBTON	0.		
	HAMILTON — KETTLE POINT	30.0		
	HAMILTON — MARCELLUS	31.4		
	DUNDEE	105.0		
	DETROIT RIVER — LUCAS	139.0		
	DETROIT RIVER — AMHERSTBURG			
	BOIS BLANC			
	BASS ISLANDS			
SILURIAN	G UNIT — SHALE			
	F UNIT — SHALE			
	E UNIT — LIME			
	D UNIT — SALT			
	C UNIT — SHALE / MARKER			
	B UNIT — SALT / ANHY / LIME			
	A-2 UNIT — SALT / ANHY / LIME			
	A-1 UNIT — LIME / EVAP			
	GUELPH			
	ERAMOSA			
	AMABEL — GOAT ISLAND			
	AMABEL — GASPORT			
	AMABEL — ROCHESTER			
	AMABEL — IRONDEQUOIT			
	REYNALES			
	THOROLD			
	CATARACT — GRIMSBY			
	CATARACT — CABOT HEAD			
	CATARACT — MANITOULIN			
	CATARACT — WHIRLPOOL			
ORDOVICIAN	QUEENSTON			
	MEAFORD DUNDAS			
	COLLINGWOOD			
	TRENTON — COBOURG			
	TRENTON — VERULAM			
	TRENTON — KIRKFIELD			
	BLACK RIVER — COBOCONK			
	BLACK RIVER — GULL RIVER			
	BLACK RIVER — SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				

TOTAL DEPTH SAMPLES 147.5 MOC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg m³
144.2- 146.0	SHOW	

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³ d	TYPE
144.2- 146.0	160.0		SALT

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
178MM	25.3KG	31.4	CASING SHOE	
114MM	14.1KG	122.7	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

OIL STAIN NOT MATCHING INITIAL OIL RECORD

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATION(S) OPEN HOLE

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD POOL STATUS OIL PRODUCER

COUNTY LAMBTON TOWNSHIP ENNISKILLEN LOT 8 CON XIII

WELL NAME: REVALLEE ENNISKILLEN 8-8-XIII

OPERATOR THIBODEAU, LEO

DRILLING CO ASHBURN DRILLING CO.

GEOLOGY BY PETROLEUM RESOURCE

PERMIT NO 5573

TOTAL DEPTH 144.8M PBTD

RIG TYPE CAB ELEV 205.7M + 0.3M

CO-ORDINATES 251.6M N: 233.6M W

LATITUDE 42-54-35 N

LONGITUDE 82-10-44 W SEQ 1

CONFIDENTIAL 1981 05 13

SPUDDED 1981 04 03

COMPLETED 1981 04 13

ABANDONED

SPL TRAY No 6803 INDEX No 2333

GEOLOGICAL CONTACTS		TOP m	ELEV m	THICK m
SAMPLES START AT		m		
LAKE - GROUND LEVEL				
DRIFT - LAKE BOTTOM		0.3		
DEVONIAN	PRT LAMBTON	0.		
	HAMILTON — KETTLE POINT			
	HAMILTON — MARCELLUS	31.3		
	DUNDEE	89.3		
	DETROIT RIVER — LUCAS	104.2		
	DETROIT RIVER — AMHERSTBURG			
	BOIS BLANC			
	BASS ISLANDS			
SILURIAN	G UNIT — SHALE			
	F UNIT — SHALE			
	E UNIT — LIME			
	D UNIT — SALT			
	C UNIT — SHALE / MARKER			
	B UNIT — SALT / ANHY / LIME			
	A-2 UNIT — SALT / ANHY / LIME			
	A-1 UNIT — LIME / EVAP			
	GUELPH			
	ERAMOSA			
	AMABEL — GOAT ISLAND			
	AMABEL — GASPORT			
	AMABEL — ROCHESTER			
	AMABEL — IRONDEQUOIT			
	REYNALES			
	THOROLD			
	CATARACT — GRIMSBY			
	CATARACT — CABOT HEAD			
	CATARACT — MANITOULIN			
	CATARACT — WHIRLPOOL			
ORDOVICIAN	QUEENSTON			
	MEAFORD DUNDAS			
	COLLINGWOOD			
	TRENTON — COBOURG			
	TRENTON — VERULAM			
	TRENTON — KIRKFIELD			
	BLACK RIVER — COBOCONK			
	BLACK RIVER — GULL RIVER			
	BLACK RIVER — SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				

TOTAL DEPTH SAMPLES m MOC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg m³
133.5	SHOW	
143.9 - 144.8	.3	

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³ d	TYPE
144.8	15.2		SALT

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
178MM		31.1	CASING SHOE	
114MM		121.9	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTALOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
121.9 - 144.8	GRNL		

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

COLUMBUS FACIES PRESENT IN LUCAS

FINAL RESULTS

OIL .3 M3/D

GAS

PRESSURE

PRODUCING INTVL (m) 143.9-144.8

PERFORATED FORMATION(S) OPEN HOLE YES

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS OIL PRODUCER

COUNTY LAMBTON TOWNSHIP ENNISKILLEN LOT 8 CON XIII

WELL NAME REVALLEE ENNISKILLEN 8-8-XIII PERMIT NO. 5577

OPERATOR THIBODEAU, LEO J.

DRILLING CO ASHBURN

GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 143.6M PBTD

RIG TYPE CAB ELEV 205.2M+ .6M

CO-ORDINATES 83.8M N; 75.3M W

LATITUDE 42-54-29 N

LONGITUDE 82-10-37 W SEQ 1

CONFIDENTIAL 1981 06 19

SPUDDED 1981 05 04

COMPLETED 1981 05 19

ABANDONED

SPL TRAY No 7194 INDEX No 2364

GEOLOGICAL CONTACTS		TOP m	ELEV m	THICK m
SAMPLES START AT 30.5				
LAKE / GROUND LEVEL			205.2	
DRIFT / LAKE BOTTOM		.6		
DEVONIAN	PRT LAMBTON	0.		
	KETTLE POINT	0.		
	HAMILTON	30.6		
	MARCELLUS	0.		
	DUNDEE	103.3		
	DETROIT RIVER / LUCAS	137.8		
	DETROIT RIVER / AMHERSTBURG			
	BOIS BLANC			
SILURIAN	BASS ISLANDS			
	G UNIT SHALE			
	F UNIT SHALE			
	E UNIT CARB			
	D UNIT SALT			
	C UNIT SHALE			
	MARKER			
	B UNIT SALT			
	ANHY			
	CARB			
	A-2 UNIT SALT			
	ANHY			
	A-1 UNIT CARB			
	EVAP			
	GUELPH			
	ERAMOSA			
	AMABEL / GOAT ISLAND			
	AMABEL / GASPORT			
	AMABEL / ROCHESTER			
	AMABEL / IRONDEQUOIT			
	REYNALES			
	THOROLD			
	CATARACT / GRIMSBY			
	CATARACT / CABOT HEAD			
	CATARACT / MANITOULIN			
	CATARACT / WHIRLPOOL			
ORDOVICIAN	QUEENSTON			
	MEAFORD DUNDAS			
	COLLINGWOOD			
	TRENTON / COBOURG			
	TRENTON / VERULAM			
	TRENTON / KIRKFIELD			
	BLACK RIVER / COBOCONK			
	BLACK RIVER / GULL RIVER			
	BLACK RIVER / SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				

TOTAL DEPTH SAMPLES 143.0 MOC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
133.8	SHOW	
143.9- 144.8		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
120.7-			SULPHUR
143.9- 144.8	48.8		SALT

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
178MM		30.2	CASING SHOE	
114MM		122.2		

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 471.7	GRNL		

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS DRY HOLE

COUNTY LAMBTON TOWNSHIP ENNISKILLEN LOT 8 CON XIII

WELL NAME REVALLEE ENNISKILLEN 5-8-XIII PERMIT NO. 5578

OPERATOR THIBODEAU, LEO J.

DRILLING CO ASHBURN

GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 159.0M PBTD

RIG TYPE CAB ELEV 208.5M+ 1.0M

CO-ORDINATES 606.3M N; 223.1M W

LATITUDE 42-54-46 N

LONGITUDE 82-10-42 W SEQ 1

CONFIDENTIAL 1981 05 30

SPUDDED 1981 04 16

COMPLETED 1981 04 30

ABANDONED

SPL TRAY No 7194 INDEX No 2347

GEOLOGICAL CONTACTS		TOP m	ELEV m	THICK m
SAMPLES START AT 37.5				
LAKE / GROUND LEVEL			208.5	
DRIFT / LAKE BOTTOM		1.0		
DEVONIAN	PRT LAMBTON	0.		
	KETTLE POINT	0.		
	HAMILTON	38.1		
	MARCELLUS			
	DUNDEE	113.1		
	DETROIT RIVER / LUCAS	143.9		
	DETROIT RIVER / AMHERSTBURG			
	BOIS BLANC			
SILURIAN	BASS ISLANDS			
	G UNIT SHALE			
	F UNIT SHALE			
	E UNIT CARB			
	D UNIT SALT			
	C UNIT SHALE			
	MARKER			
	B UNIT SALT			
	ANHY			
	CARB			
	A-2 UNIT SALT			
	ANHY			
	A-1 UNIT CARB			
	EVAP			
	GUELPH			
	ERAMOSA			
	AMABEL / GOAT ISLAND			
	AMABEL / GASPORT			
	AMABEL / ROCHESTER			
	AMABEL / IRONDEQUOIT			
	REYNALES			
	THOROLD			
	CATARACT / GRIMSBY			
	CATARACT / CABOT HEAD			
	CATARACT / MANITOULIN			
	CATARACT / WHIRLPOOL			
ORDOVICIAN	QUEENSTON			
	MEAFORD DUNDAS			
	COLLINGWOOD			
	TRENTON / COBOURG			
	TRENTON / VERULAM			
	TRENTON / KIRKFIELD			
	BLACK RIVER / COBOCONK			
	BLACK RIVER / GULL RIVER			
	BLACK RIVER / SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				

TOTAL DEPTH SAMPLES 159.0 MOC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
139.6- 142.3	SHOW	

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
117.3-	48.8		SALT
139.6- 142.3	61.0		SALT

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
178MM		38.1	CASING SHOE	38.1

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
49.9- 159.0	GRNL		

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

OIL STAIN NOT MATCHING INITIAL OIL RECORD

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS OIL PRODUCER

COUNTY LAMBTON TOWNSHIP ENNISKILLEN LOT 11 CON XII

WELL NAME: BEAR CREEK #15 ENNISKILLEN 1-11-XII PERMIT NO. 5511

OPERATOR BEAR CREEK RESOURCES LTD.

DRILLING CO CHARLES G. STEVENSON

GEOLOGY BY PETROFILM RESOURCES

TOTAL DEPTH 140.8M PBTD

RIG TYPE CAB ELEV 203.8M + 0.6M

CO ORDINATES 297.5 S: 208.4M W

LATITUDE 42-54-14 N

LONGITUDE 82-09-23 W SEQ 1

CONFIDENTIAL 1981 05 02

SPUDDED 1981 03 21

COMPLETED 1981 04 02

ABANDONED

SPL TRAY No 6810 INDEX No 2335

GEOLOGICAL CONTACTS	TOP m	ELEV m	THICK m
SAMPLES START AT m			
LAKE / GROUND LEVEL			
DRIFT LAKE BOTTOM	0.6		
DEVONIAN — PRT LAMBTON	0.		
DEVONIAN — KETTLE POINT	0.		
DEVONIAN — HAMILTON — MARCELLUS	26.5		
DEVONIAN — DUNDEE	98.1		
DEVONIAN — DETROIT RIVER — LUCAS	123.7		
DEVONIAN — DETROIT RIVER — AMHERSTBURG			
DEVONIAN — BOIS BLANC			
SILURIAN — BASS ISLANDS			
SILURIAN — G UNIT — SHALE			
SILURIAN — F UNIT — SHALE			
SILURIAN — E UNIT — CARB			
SILURIAN — D UNIT — SALT			
SILURIAN — C UNIT — SHALE			
SILURIAN — MARKER			
SILURIAN — B UNIT — SALT			
SILURIAN — ANHY			
SILURIAN — CARB			
SILURIAN — A-2 UNIT — SALT			
SILURIAN — ANHY			
SILURIAN — CARB			
SILURIAN — A-1 UNIT — EVAP			
SILURIAN — GUELPH			
SILURIAN — ERAMOSA			
SILURIAN — AMABEL — GOAT ISLAND			
SILURIAN — AMABEL — GASPORT			
SILURIAN — AMABEL — ROCHESTER			
SILURIAN — AMABEL — IRONDEQUOIT			
SILURIAN — REYNALES			
SILURIAN — THOROLD			
SILURIAN — CATARACT — GRIMSBY			
SILURIAN — CATARACT — CABOT HEAD			
SILURIAN — CATARACT — MANITOULIN			
SILURIAN — CATARACT — WHIRLPOOL			
ORDOVICIAN — QUEENSTON			
ORDOVICIAN — MEAFORD DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES m		MQC 7	

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
114 -	SHOW	
121 -	SHOW	

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
33 -			FRESH
114 -		SHOW	SULPHUR
121 -		SHOW	SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
178MM	25.3KG	26.5	CASING SHOE	
114MM	14.1KG	101.0	CEMENTED	
38MM	4.5KG	138.0	HANGING	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	

REMARKS

OIL STAIN NOT MATCHING INITIAL OIL RECORD

FINAL RESULTS

OIL

GAS

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATION(S) OPEN HOLE YES

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS OIL PRODUCER

COUNTY LAMBTON TOWNSHIP ENNISKILLEN LOT 17 CON X

WELL NAME: L.A.I JACQUES 3 ENNISKILLEN 1-17-X PERMIT NO 5645

OPERATOR LAMBTON AREA INDUSTRIES

DRILLING CO NEWPORT, W.

GEOLOGY BY PETROFILM RESOURCES

TOTAL DEPTH 144.2M PBTD

RIG TYPE CAB ELEV 203.3M+ 0.3M

CO ORDINATES 211.5N : 216.4M E

LATITUDE 42-52-47 N

LONGITUDE 82-06-41 W SEQ 1

CONFIDENTIAL 1982 07 22

SPUDDED 1981 06 03

COMPLETED 1981 07 22

ABANDONED

SPL TRAY No INDEX No

GEOLOGICAL CONTACTS	TOP m	ELEV m	THICK m
SAMPLES START AT 19.0m			
LAKE / GROUND LEVEL			
DRIFT LAKE BOTTOM	0.3		
DEVONIAN — PRT LAMBTON			
DEVONIAN — KETTLE POINT			
DEVONIAN — HAMILTON — MARCELLUS	19.0		
DEVONIAN — DUNDEE	0		
DEVONIAN — DETROIT RIVER — LUCAS	103.0		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	134.0		
DEVONIAN — BOIS BLANC			
SILURIAN — BASS ISLANDS			
SILURIAN — G UNIT — SHALE			
SILURIAN — F UNIT — SHALE			
SILURIAN — E UNIT — CARB			
SILURIAN — D UNIT — SALT			
SILURIAN — C UNIT — SHALE			
SILURIAN — MARKER			
SILURIAN — B UNIT — SALT			
SILURIAN — ANHY			
SILURIAN — CARB			
SILURIAN — A-2 UNIT — SALT			
SILURIAN — ANHY			
SILURIAN — CARB			
SILURIAN — A-1 UNIT — EVAP			
SILURIAN — GUELPH			
SILURIAN — ERAMOSA			
SILURIAN — AMABEL — GOAT ISLAND			
SILURIAN — AMABEL — GASPORT			
SILURIAN — AMABEL — ROCHESTER			
SILURIAN — AMABEL — IRONDEQUOIT			
SILURIAN — REYNALES			
SILURIAN — THOROLD			
SILURIAN — CATARACT — GRIMSBY			
SILURIAN — CATARACT — CABOT HEAD			
SILURIAN — CATARACT — MANITOULIN			
SILURIAN — CATARACT — WHIRLPOOL			
ORDOVICIAN — QUEENSTON			
ORDOVICIAN — MEAFORD DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES 143.2		MQC 6	

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
140.2 - 144.2	SHOW	

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
25.9 -	6.5		FRESH

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
178MM	30.0KG	20.1	BAREFOOT	
102MM	16.0KG	128.6	CEMENTED	
32MM	4.0KG	143.3	PACKER	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	

REMARKS

NO LOGS

FINAL RESULTS

OIL 0.2 M3/D

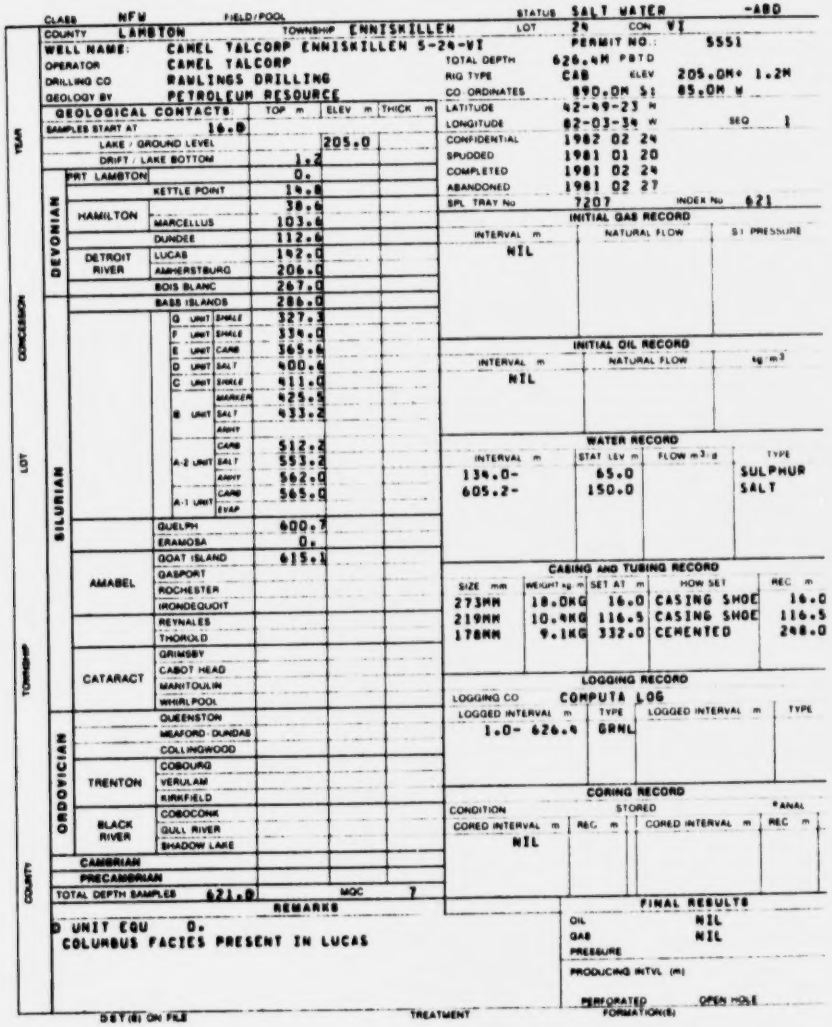
GAS

PRESSURE

PRODUCING INTVL (m) 140.2 - 144.2

PERFORATED FORMATION(S) OPEN HOLE YES

DST(S) ON FILE TREATMENT



CLASS NFW FIELD/POOL STATUS SALT WATER -ABD
COUNTY LAMBTON TOWNSHIP ENNISKILLEN LOT 24 CON VI
WELL NAME: CAMEL TALCORP ENNISKILLEN 5-24-VI PERMIT NO. 5551
OPERATOR CAMEL TALCORP TOTAL DEPTH 626.4M PBTD
DRILLING CO RAWLINGS DRILLING RIG TYPE CAB ELEV 205.0M± 1.2M
GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES 890.0M S; 85.0M W
LATITUDE 42-49-23 N
LONGITUDE 82-03-34 W SEQ 1
CONFIDENTIAL 1982 02 24
SPUDDED 1981 01 20
COMPLETED 1981 02 24
ABANDONED 1981 02 27
SPL TRAY No 7207 INDEX No 621

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 16.0					
LAKE / GROUND LEVEL				205.0	
DRIFT / LAKE BOTTOM			1.2		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	14.8		
		MARCELLUS	38.6		
		DUNDEE	103.6		
	DETROIT RIVER	LUCAS	112.6		
		AMHERSTBURG	192.0		
		BOIS BLANC	206.0		
		BASS ISLANDS	267.0		
SILURIAN		G UNIT SHALE	286.0		
		F UNIT SHALE	327.3		
		E UNIT CARB	334.0		
		D UNIT SALT	365.6		
		C UNIT SHALE	400.6		
		MARKER	411.0		
		B UNIT SALT	425.5		
		ANHY	433.2		
		CARB	512.2		
		A-2 UNIT SALT	553.2		
		ANHY	562.0		
		A-1 UNIT CARB	565.0		
		EVAP			
	GUELPH		600.7		
	ERAMOSA		0.		
	AMABEL	GOAT ISLAND	615.1		
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 621.0			MOC 7		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
134.0- 605.2-	65.0 150.0		SULPHUR SALT

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	18.0KG	16.0	CASING SHOE	16.0
219MM	10.4KG	116.5	CASING SHOE	116.5
178MM	9.1KG	332.0	CEMENTED	248.0

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 626.4	GRNL		

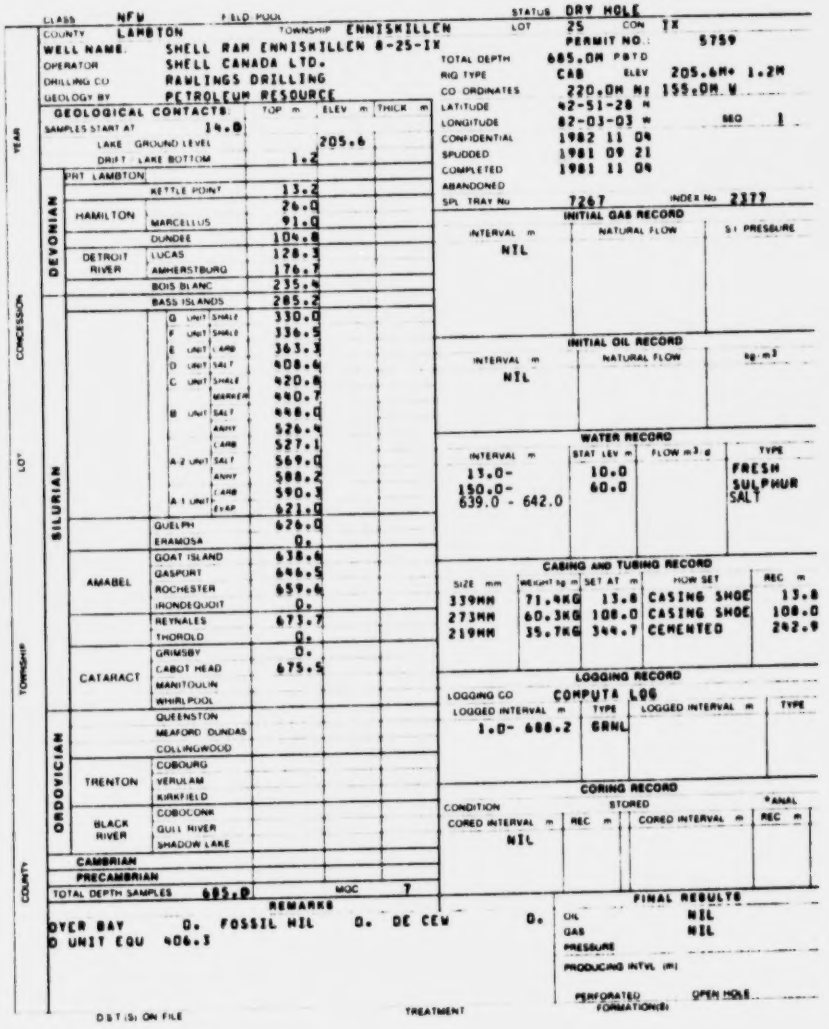
CORING RECORD

CONDITION	CORED INTERVAL m	REC m	STORED CORED INTERVAL m	STORED REC m	*ANAL
	NIL				

REMARKS
D UNIT EQU 0.
COLUMBUS FACIES PRESENT IN LUCAS

FINAL RESULTS
OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT



CLASS NFW FIELD/POOL STATUS DRY HOLE
COUNTY LAMBTON TOWNSHIP ENNISKILLEN LOT 25 CON IX
WELL NAME: SHELL RAM ENNISKILLEN 8-25-IX PERMIT NO. 5759
OPERATOR SHELL CANADA LTD. TOTAL DEPTH 685.0M PBTD
DRILLING CO RAWLINGS DRILLING RIG TYPE CAB ELEV 205.6M± 1.2M
GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES 220.0M N; 155.0M W
LATITUDE 42-51-28 N
LONGITUDE 82-03-03 W SEQ 1
CONFIDENTIAL 1982 11 04
SPUDDED 1981 09 21
COMPLETED 1981 11 04
ABANDONED
SPL TRAY No 7267 INDEX No 2377

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 14.0					
LAKE GROUND LEVEL				205.6	
DRIFT LAKE BOTTOM			1.2		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT	13.2		
		MARCELLUS	26.0		
		DUNDEE	91.0		
	DETROIT RIVER	LUCAS	104.8		
		AMHERSTBURG	128.3		
		BOIS BLANC	176.7		
		BASS ISLANDS	235.4		
SILURIAN		G UNIT SHALE	285.2		
		F UNIT SHALE	330.0		
		E UNIT CARB	336.5		
		D UNIT SALT	363.3		
		C UNIT SHALE	408.6		
		MARKER	420.6		
		B UNIT SALT	440.7		
		ANHY	448.0		
		CARB	526.4		
		A-2 UNIT SALT	527.1		
		ANHY	569.0		
		CARB	588.2		
		A-1 UNIT EVAP	590.3		
			621.0		
	QUELPH		626.0		
	ERAMOSA		0.		
	AMABEL	GOAT ISLAND	638.4		
		GASPORT	646.5		
		ROCHESTER	659.6		
		IRONDEQUOIT	0.		
		REYNALES	673.7		
		THOROLD	0.		
	CATARACT	GRIMSBY	0.		
		CABOT HEAD	675.5		
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 685.0			MOC 7		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
13.0- 150.0- 639.0 - 642.0	10.0 60.0		FRESH SULPHUR SALT

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
339MM	71.4KG	13.8	CASING SHOE	13.8
273MM	60.3KG	108.0	CASING SHOE	108.0
219MM	35.7KG	344.7	CEMENTED	242.9

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 688.2	GRNL		

CORING RECORD

CONDITION	CORED INTERVAL m	REC m	STORED CORED INTERVAL m	STORED REC m	*ANAL
	NIL				

REMARKS
DYER BAY 0. FOSSIL NIL 0. DE CEW 0.
D UNIT EQU 406.3

FINAL RESULTS
OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS EXTEN FIELD POOL STATUS OIL SHOW -ABD

COUNTY LAMBTON TOWNSHIP EUPHEMIA LOT 16 CON VI

WELL NAME: A-P EUPHEMIA 8-16-VI PERMIT NO. 5717

OPERATOR ABITIBI-PRICE INC TOTAL DEPTH 132.9M PBTD

DRILLING CO STEVENSON C. RIG TYPE CAB ELEV 198.7M± 1.3M

GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES 213.6M N 76.2M E

LATITUDE 42-39-10 N

LONGITUDE 81-55-43 W SEQ 1

CONFIDENTIAL 1982 07 30

SPUDDED 1981 07 20

COMPLETED 1981 07 30

ABANDONED 1981 08 01

SPL TRAY No 2500 INDEX No 2364

GEOLOGICAL CONTACTS:

			TOP m	ELEV m	THICK m
SAMPLES START AT 33.8					
LAKE / GROUND LEVEL				198.7	
DRIFT / LAKE BOTTOM			1.3		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS	34.0		
		DUNDEE	70.0		
	DETROIT RIVER	LUCAS	107.6		
		AMHERSTBURG			
		BOIS BLANC			
		BASS ISLANDS			
SILURIAN		G UNIT SHALE			
		F UNIT SHALE			
		E UNIT CARB			
		D UNIT SALT			
		C UNIT SHALE			
		MARKER			
		B UNIT SALT			
		ANHY			
		CARB			
		A-2 UNIT SALT			
		ANHY			
		CARB			
		A-1 UNIT EVAP			
		GUELPH			
		ERAMOSA			
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 132.9 MDC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg m³
93.6- 96.0	SHOW	
124.0- 126.0	SHOW	

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
18.3-			FRESH
30.5-			FRESH
39.6-			SULPHUR
124.0-			SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
339MM	71.4KG	4.9	CASING SHOE	4.9
273MM	60.0KG	32.9	CASING SHOE	32.9
219MM	35.7KG	69.8	CASING SHOE	69.8

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

COLUMBUS FACIES PRESENT IN LUCAS

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATION(S) OPEN HOLE

D.S.T.(S) ON FILE TREATMENT

CLASS NFW FIELD POOL STATUS SALT WATER -ABD

COUNTY LAMBTON TOWNSHIP EUPHEMIA LOT 23 CON XI

WELL NAME: CONSUMER 33265 EUPHEMIA 2-23-XI PERMIT NO. 5549

OPERATOR CONSUMERS GAS CO. TOTAL DEPTH 556.0M PBTD

DRILLING CO SHAW RIG TYPE CAB ELEV 206.9M± 1.5M

GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES 8.1MS : 359.0M W

LATITUDE 42-41-41 N

LONGITUDE 81-50-25 W SEQ 1

CONFIDENTIAL 1982 03 21

SPUDDED 1981 02 21

COMPLETED 1981 03 21

ABANDONED 1981 03 27

SPL TRAY No 6867 INDEX No 2337

GEOLOGICAL CONTACTS:

			TOP m	ELEV m	THICK m
SAMPLES START AT 26.8					
LAKE / GROUND LEVEL				206.9	
DRIFT / LAKE BOTTOM			1.5		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS	27.2		
		DUNDEE	77.0		
	DETROIT RIVER	LUCAS	81.1		
		AMHERSTBURG	137.0		
		BOIS BLANC	171.5		
		BASS ISLANDS	218.0		
SILURIAN		G UNIT SHALE	239.8		
		F UNIT SHALE	273.2		
		E UNIT CARB	280.5		
		D UNIT SALT	307.0		
		C UNIT SHALE	0.		
		MARKER	348.5		
		B UNIT SALT	359.3		
		ANHY	367.6		
		CARB	420.0		
		A-2 UNIT SALT	426.0		
		ANHY	0.		
		A-1 UNIT CARB	460.0		
		EVAP	462.5		
	GUELPH		489.0		
	ERAMOSA		494.0		
	AMABEL	GOAT ISLAND	0.		
		GASPORT	509.0		
		ROCHESTER	536.2		
		IRONDEQUOIT	547.0		
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 556.0 MDC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
25.0-			FRESH
133.0-			SULPHUR
499.0- 501.0			SALT
539.0-			SALT

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
273MM	75.9KG	25.8	CASING SHOE	15.9
219MM	35.7KG	86.5	CASING SHOE	86.5
178MM	29.8KG	293.0	CEMENTED	218.4

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 555.6	GRNL	294.6- 555.6	ES

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

DE CEV D. D UNIT EQU 344.0

COLUMBUS FACIES PRESENT IN LUCAS

FINAL RESULTS

OIL NIL

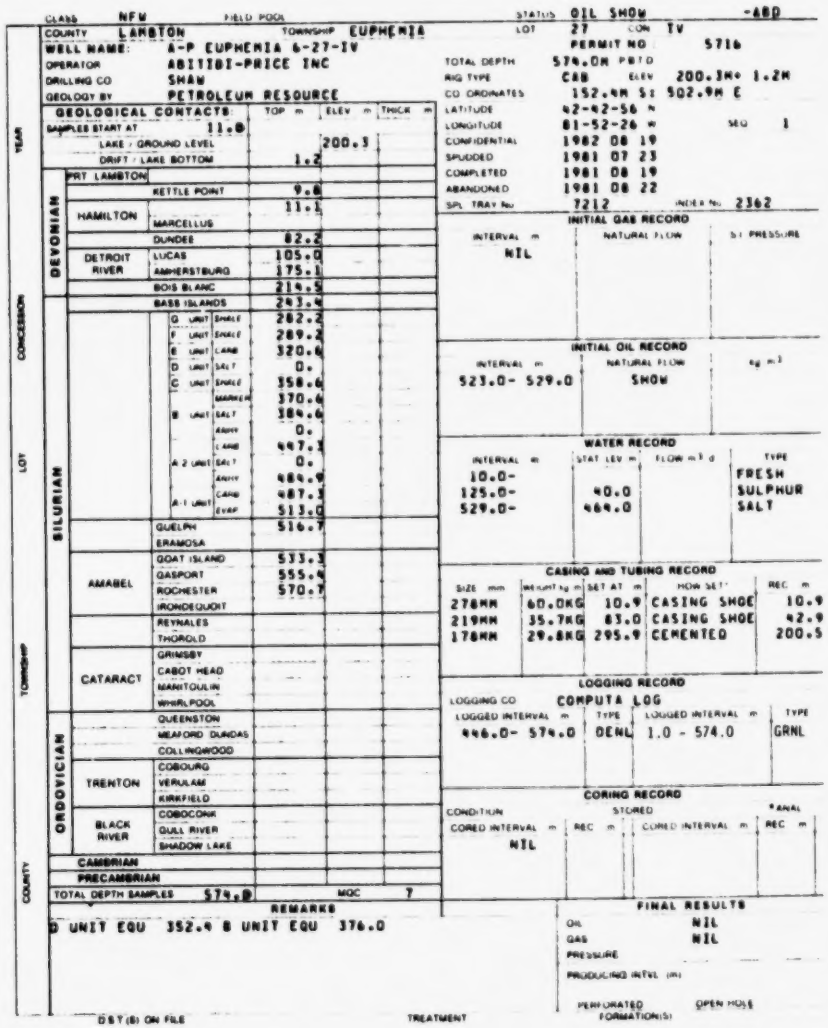
GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATION(S) OPEN HOLE

D.S.T.(S) ON FILE TREATMENT



CLASS NFW FIELD POOL STATUS OIL SHOW -ABD
COUNTY LAMBTON TOWNSHIP EUPHEMIA LOT 27 CON IV
WELL NAME: A-P EUPHEMIA 6-27-IV PERMIT NO 5716
OPERATOR ABITIBI-PRICE INC
DRILLING CO SHAW
GEOLOGY BY PETROLEUM RESOURCE

GEOLOGICAL CONTACTS	TOP m	ELEV m	THICK m
SAMPLES START AT	11.0		
LAKE / GROUND LEVEL		200.3	
DRIFT / LAKE BOTTOM	1.2		
DEVONIAN PRT LAMBTON			
KETTLE POINT	9.8		
HAMILTON MARCELLUS	11.1		
DUNDEE	82.2		
DETROIT RIVER LUCAS	105.0		
AMHERSTBURG	175.1		
BOIS BLANC	214.5		
BASS ISLANDS	243.4		
SILURIAN G UNIT SHALE	282.2		
F UNIT SHALE	289.2		
E UNIT LIME	320.6		
D UNIT SALT	0.		
C UNIT SHALE	358.6		
MARKER	370.6		
B UNIT SALT	384.6		
ANHY	0.		
LIME	447.3		
A 2 UNIT SALT	0.		
ANHY	484.9		
CARB	487.3		
A 1 UNIT EVAP	513.0		
GUELPH	516.7		
ERAMOSA			
AMABEL GOAT ISLAND	533.3		
GASPORT	555.9		
ROCHESTER	570.7		
IRONDEQUOIT			
REYNALES			
THOROLD			
CATARACT GRIMSBY			
CABOT HEAD			
MANITOULIN			
WHIRLPOOL			
ORDOVICIAN QUEENSTON			
MEAFORD DUNDAS			
COLLINGWOOD			
TRENTON COBOURG			
VERULAM			
KIRKFIELD			
BLACK RIVER COBOCONK			
GULL RIVER			
SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES 574.0		MDC	7

REMARKS
B UNIT EQU 352.4 B UNIT EQU 376.0

DST(S) ON FILE TREATMENT

TOTAL DEPTH 574.0M PBTD
RIG TYPE CAB ELEV 200.3M± 1.2M
CO-ORDINATES 152.4M S; 502.9M E
LATITUDE 42-42-56 N SEQ 1
LONGITUDE 81-52-26 W
CONFIDENTIAL 1982 08 19
SPUDDED 1981 07 23
COMPLETED 1981 08 19
ABANDONED 1981 08 22
SPL TRAY No 7212 INDEX No 2362

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
523.0- 529.0	SHOW	

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
10.0-			FRESH
125.0-	40.0		SULPHUR
529.0-	484.0		SALT

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
278MM	60.0KG	10.9	CASING SHOE	10.9
219MM	35.7KG	83.0	CASING SHOE	42.9
178MM	29.8KG	295.9	CEMENTED	200.5

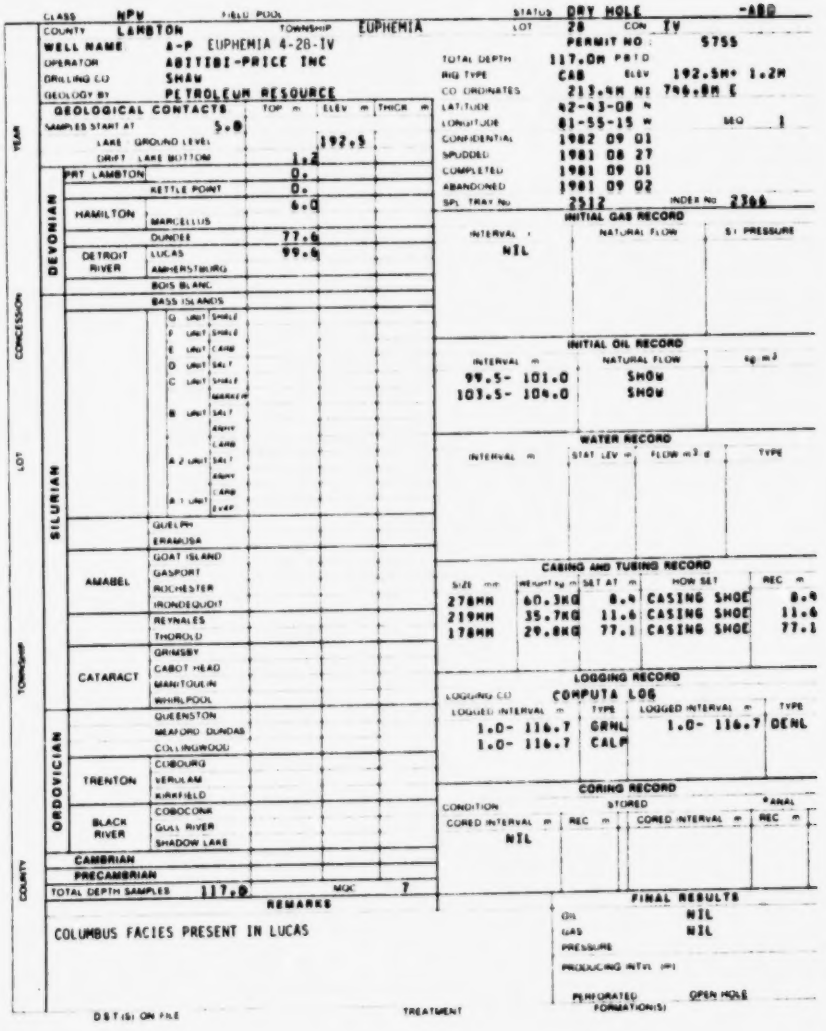
LOGGING RECORD
LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
446.0- 574.0	DENL	1.0 - 574.0	GRNL

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL				

FINAL RESULTS
OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)



CLASS NPW FIELD POOL STATUS DRY HOLE -ABD
COUNTY LAMBTON TOWNSHIP EUPHEMIA LOT 28 CON IV
WELL NAME A-P EUPHEMIA 4-28-IV PERMIT NO 5755
OPERATOR ABITIBI-PRICE INC
DRILLING CO SHAW
GEOLOGY BY PETROLEUM RESOURCE

GEOLOGICAL CONTACTS	TOP m	ELEV m	THICK m
SAMPLES START AT	5.0		
LAKE / GROUND LEVEL		192.5	
DRIFT / LAKE BOTTOM	1.2		
DEVONIAN PRT LAMBTON	0.		
KETTLE POINT	0.		
HAMILTON MARCELLUS	6.0		
DUNDEE	77.6		
DETROIT RIVER LUCAS	99.6		
AMHERSTBURG			
BOIS BLANC			
BASS ISLANDS			
SILURIAN G UNIT SHALE			
F UNIT SHALE			
E UNIT LIME			
D UNIT SALT			
C UNIT SHALE			
MARKER			
B UNIT SALT			
ANHY			
LIME			
A 2 UNIT SALT			
ANHY			
CARB			
A 1 UNIT EVAP			
GUELPH			
ERAMOSA			
AMABEL GOAT ISLAND			
GASPORT			
ROCHESTER			
IRONDEQUOIT			
REYNALES			
THOROLD			
CATARACT GRIMSBY			
CABOT HEAD			
MANITOULIN			
WHIRLPOOL			
ORDOVICIAN QUEENSTON			
MEAFORD DUNDAS			
COLLINGWOOD			
TRENTON COBOURG			
VERULAM			
KIRKFIELD			
BLACK RIVER COBOCONK			
GULL RIVER			
SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES 117.0		MDC	7

REMARKS
COLUMBUS FACIES PRESENT IN LUCAS

DST(S) ON FILE TREATMENT

TOTAL DEPTH 117.0M PBTD
RIG TYPE CAB ELEV 192.5M± 1.2M
CO-ORDINATES 213.4M N; 746.8M E
LATITUDE 42-43-08 N SEQ 1
LONGITUDE 81-55-15 W
CONFIDENTIAL 1982 09 01
SPUDDED 1981 08 27
COMPLETED 1981 09 01
ABANDONED 1981 09 02
SPL TRAY No 2512 INDEX No 2366

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
99.5- 101.0	SHOW	
103.5- 104.0	SHOW	

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
278MM	60.3KG	8.4	CASING SHOE	8.4
219MM	35.7KG	11.6	CASING SHOE	11.6
178MM	29.8KG	77.1	CASING SHOE	77.1

LOGGING RECORD
LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 116.7	GRNL	1.0- 116.7	DENL
1.0- 116.7	CALP		

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL				

FINAL RESULTS
OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

CLASS NEW FIELD/POOL STATUS DRY HOLE -ABD
COUNTY LAMBTON TOWNSHIP MOORE LOT 22 CON III
WELL NAME: BLUEWATER TRUE MOORE 3-22-III PERMIT NO. 5550
OPERATOR BLUEWATER GAS & OIL TOTAL DEPTH 747.0M PBTD
DRILLING CO RAWLINGS DRILLING RIG TYPE CAB ELEV 188.7M+ 1.5M
GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES 502.9M S: 152.4M E
LATITUDE 42-47-50 N
LONGITUDE 82-24-05 W SEQ 1
CONFIDENTIAL 1982 02 09
SPUDDED 1981 01 05
COMPLETED 1981 02 09
ABANDONED 1982 02 12
SPL TRAY No 7173 INDEX No 2341

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 47.0 m					
LAKE : GROUND LEVEL					
DRIFT : LAKE BOTTOM			1.5		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	42.0		
		MARCELLUS	100.1		
	DETROIT RIVER	DUNDEE	167.6		
		LUCAS	185.9		
		AMHERSTBURG	220.3		
		BOIS BLANC	304.1		
		BASS ISLANDS	347.6		
SILURIAN		G UNIT SHALE	364.0		
		F UNIT SHALE	414.2		
		E UNIT CARB	421.0		
		D UNIT SALT	523.0		
		C UNIT SHALE	550.5		
		MARKER	562.0		
		B UNIT SALT	577.6		
		ANHY	580.5		
		CARB	676.0		
		A-2 UNIT SALT	677.0		
		ANHY	722.0		
		CARB	759.4		
		A-1 UNIT EVAP	798.5		
	GUELPH		803.3		
	ERAMOSA		0.		
	AMABEL	GOAT ISLAND	808.5		
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES m		MOC 7			

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
242.0 - 245.0	40.0		SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	60.3KG	55.3	CASING SHOE	55.3
219MM	35.7KG	210.0	CASING SHOE	210.0
178MM	29.8KG	433.2	CEMENTED	351.1

LOGGING RECORD
LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0 - 748.0	GRNL		

CORING RECORD

CONDITION	STORED		ANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS
D UNIT EQU 0.

FINAL RESULTS
OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS OTHER FIELD/POOL STATUS BRINE WELL
COUNTY LAMBTON TOWNSHIP MOORE LOT 23 CON XI
WELL NAME DOW CHEMICAL 71 MOORE 23-XI PERMIT NO. 5783
OPERATOR DOW CHEMICAL CANADA TOTAL DEPTH 749.0M PBTD
DRILLING CO CORUNNA PETROLEUM RIG TYPE ROT ELEV 192.5M+ 3.5M
GEOLOGY BY PETROLEUM RESOURCES CO ORDINATES 320.3MS ; 86.6ME
LATITUDE 42-53-47 N
LONGITUDE 82-24-22 W SEQ 1
CONFIDENTIAL 1982 12 11
SPUDDED 1981 12 01
COMPLETED 1981 12 11
ABANDONED
SPL TRAY No 3226 INDEX No 2381

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 200.0 m					
LAKE : GROUND LEVEL					
DRIFT : LAKE BOTTOM			3.5		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT	62.5		
		MARCELLUS	93.2		
	DETROIT RIVER	DUNDEE	178.0		
		LUCAS	268.0		
		AMHERSTBURG	301.0		
		BOIS BLANC	345.0		
		BASS ISLANDS	375.0		
SILURIAN		G UNIT SHALE	413.7		
		F UNIT SHALE	420.0		
		E UNIT CARB	524.6		
		D UNIT SALT	547.5		
		C UNIT SHALE	560.0		
		MARKER	572.0		
		B UNIT SALT	579.2		
		ANHY			
		CARB	671.0		
		A-2 UNIT SALT	715.4		
		ANHY	745.6		
		CARB			
		A-1 UNIT EVAP			
	GUELPH				
	ERAMOSA				
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 750.0 m		MOC 7			

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
NIL			

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
340MM	81.1KG	64.0M	CEMENTED	
245MM	53.0KG	592.0M	CEMENTED	

LOGGING RECORD
LOGGING CO COMPUTALOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0 - 749.0	GRNL		

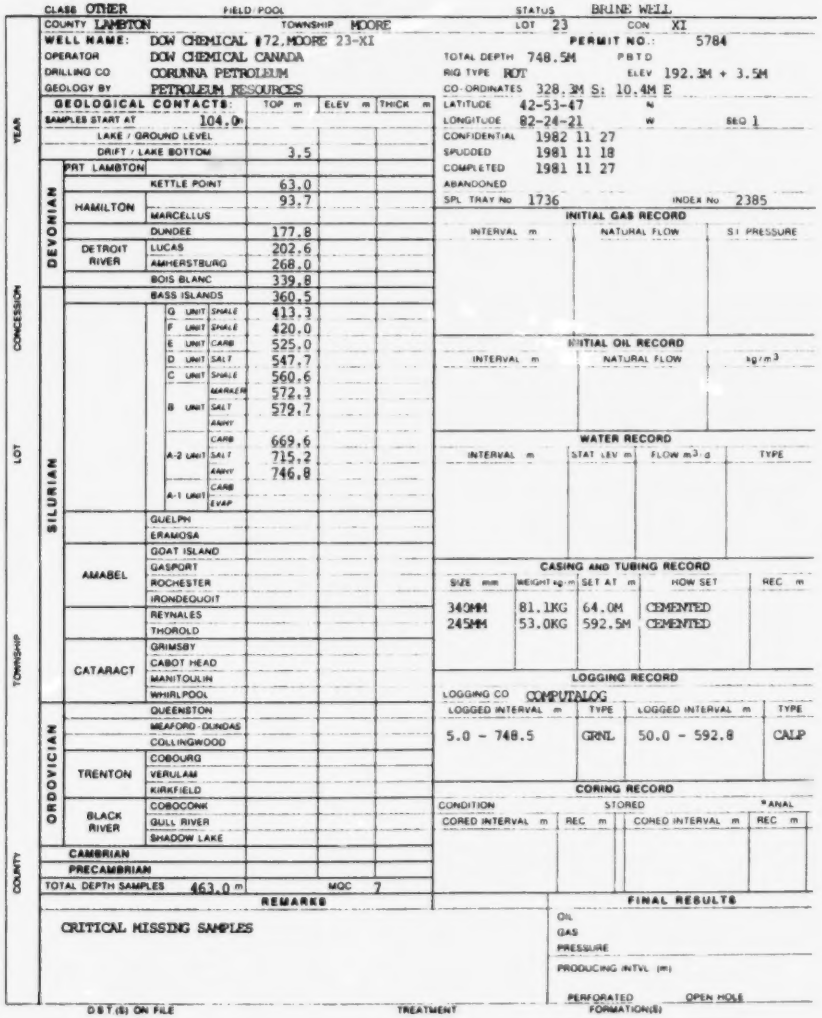
CORING RECORD

CONDITION	STORED		ANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS
B UNIT EQU 575.0
CRITICAL MISSING SAMPLES

FINAL RESULTS
OIL
GAS
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT



CLASS OTHER FIELD/POOL STATUS BRINE WELL

COUNTY LAMBTON TOWNSHIP MOORE LOT 23 CON XI

WELL NAME: DOW CHEMICAL #72,MOORE 23-XI

OPERATOR DOW CHEMICAL CANADA

DRILLING CO CORUNNA PETROLEUM

GEOLOGY BY PETROLEUM RESOURCES

PERMIT NO.: 5784

TOTAL DEPTH 748.5M PBTD

RIG TYPE ROT ELEV 192.3M + 3.5M

CO-ORDINATES 328.3M S; 10.4M E

LATITUDE 42-53-47 N

LONGITUDE 82-24-21 W SEQ 1

CONFIDENTIAL 1982 11 27

SPUDDED 1981 11 18

COMPLETED 1981 11 27

ABANDONED

SPL TRAY No 1736 INDEX No 2385

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 104.0					
LAKE / GROUND LEVEL					
DRIFT / LAKE BOTTOM			3.5		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT	63.0		
		MARCELLUS	93.7		
	DETROIT RIVER	DUNDEE	177.8		
		LUCAS	202.6		
		AMHERSTBURG	268.0		
		BOIS BLANC	339.8		
SILURIAN		BASS ISLANDS	360.5		
		G UNIT SHALE	413.3		
		F UNIT SHALE	420.0		
		E UNIT CARB	525.0		
		D UNIT SALT	547.7		
		C UNIT SHALE	560.6		
		MARKER	572.3		
		B UNIT SALT	579.7		
		ANHY			
		CARB	669.6		
		A-2 UNIT SALT	715.2		
		ANHY	746.8		
		CARB			
		A-1 UNIT EVAP			
		GUELPH			
		ERAMOSA			
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 463.0 m MQC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
340MM	81.1KG	64.0M	CEMENTED	
245MM	53.0KG	592.5M	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTALOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
5.0 - 748.5	GRNL	50.0 - 592.8	CALP

CORING RECORD

CONDITION	STORED		*ANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

CRITICAL MISSING SAMPLES

FINAL RESULTS

OIL

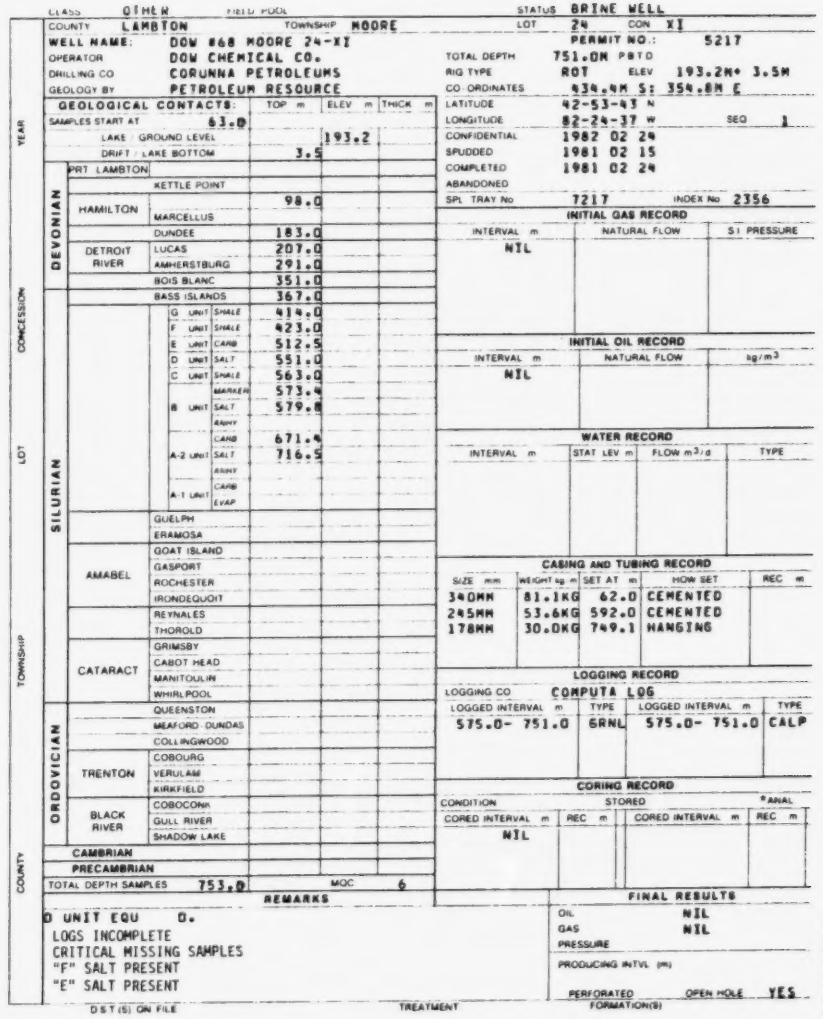
GAS

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATION(S) OPEN HOLE

DST (S) ON FILE TREATMENT



CLASS OTHER FIELD/POOL STATUS BRINE WELL

COUNTY LAMBTON TOWNSHIP MOORE LOT 24 CON XI

WELL NAME: DOW #68 MOORE 24-XI

OPERATOR DOW CHEMICAL CO.

DRILLING CO CORUNNA PETROLEUMS

GEOLOGY BY PETROLEUM RESOURCE

PERMIT NO.: 5217

TOTAL DEPTH 751.0M PBTD

RIG TYPE ROT ELEV 193.2M+ 3.5M

CO-ORDINATES 434.4M S; 354.8M E

LATITUDE 42-53-43 N

LONGITUDE 82-24-37 W SEQ 1

CONFIDENTIAL 1982 02 24

SPUDDED 1981 02 15

COMPLETED 1981 02 24

ABANDONED

SPL TRAY No 7217 INDEX No 2356

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 63.0					
LAKE / GROUND LEVEL				193.2	
DRIFT / LAKE BOTTOM			3.5		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS	98.0		
	DETROIT RIVER	DUNDEE	183.0		
		LUCAS	207.0		
		AMHERSTBURG	291.0		
		BOIS BLANC	351.0		
SILURIAN		BASS ISLANDS	367.0		
		G UNIT SHALE	414.0		
		F UNIT SHALE	423.0		
		E UNIT CARB	512.5		
		D UNIT SALT	551.0		
		C UNIT SHALE	563.0		
		MARKER	573.4		
		B UNIT SALT	579.8		
		ANHY			
		CARB	671.4		
		A-2 UNIT SALT	716.5		
		ANHY			
		CARB			
		A-1 UNIT EVAP			
		GUELPH			
		ERAMOSA			
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 753.0 MQC 6

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
340MM	81.1KG	62.0	CEMENTED	
245MM	53.6KG	592.0	CEMENTED	
178MM	30.0KG	749.1	HANGING	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
575.0- 751.0	GRNL	575.0- 751.0	CALP

CORING RECORD

CONDITION	STORED		*ANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 0.
LOGS INCOMPLETE
CRITICAL MISSING SAMPLES
"F" SALT PRESENT
"E" SALT PRESENT

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATION(S) OPEN HOLE YES

DST (S) ON FILE TREATMENT

CLASS OTHER FIELD/POOL STATUS BRINE WELL
COUNTY LAMBTON TOWNSHIP MOORE LOT 24 CON XI
WELL NAME: DOW #67 MOORE 24-XI PERMIT NO.: 5218
OPERATOR DOW CHEMICAL CO.
DRILLING CO CORUNNA PETROLEUMS
GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 750.0M PBTD
RIG TYPE ROT ELEV 193.2M+ 3.5M
CO-ORDINATES 434.4M S: 430.8M E
LATITUDE 42-53-43 N
LONGITUDE 82-24-34 W SEQ 1
CONFIDENTIAL 1982 02 13
SPUDDED 1981 02 04
COMPLETED 1981 02 13
ABANDONED
SPL TRAY No 7218 INDEX No 2357

GEOLOGICAL CONTACTS:

			TOP m	ELEV m	THICK m
SAMPLES START AT			74.0		
LAKE / GROUND LEVEL				193.2	
DRIFT / LAKE BOTTOM			3.5		
DEVONIAN	PRT LAMBTON		43.0		
	KETTLE POINT		60.9		
	HAMILTON		96.9		
		MARCELLUS	164.0		
		DUNDEE	180.0		
	DETROIT RIVER	LUCAS	204.0		
		AMHERSTBURG	293.0		
		BOIS BLANC	346.5		
		BASS ISLANDS	359.5		
SILURIAN		G UNIT SHALE	415.0		
		F UNIT SHALE	422.1		
		E UNIT CARB	532.2		
		D UNIT SALT	548.4		
		C UNIT SHALE	558.0		
		MARKER	572.4		
		B UNIT SALT	578.8		
		ANHY			
		CARB	672.2		
		A-2 UNIT SALT	715.4		
		ANHY			
		CARB			
		A-1 UNIT EVAP			
	GUELPH				
	ERAMOSA				
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 754.0 MDC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
340MM	81.1KG	61.9	CEMENTED	
245MM	53.6KG	591.4	CEMENTED	
178MM	29.8KG	747.2	HANGING	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 750.0	CALP	1.0 - 750	GRNL

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

0 UNIT EQU 0.
POOR AGREEMENT BETWEEN LOG & SAMPLES
POOR SAMPLES QUALITY

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED FORMATION(S) OPEN HOLE YES

D.S.T.(S) ON FILE TREATMENT

CLASS OTHER FIELD/POOL STATUS BRINE WELL
COUNTY LAMBTON TOWNSHIP MOORE LOT 24 CON XI
WELL NAME: DOW #66 MOORE 24-XI PERMIT NO.: 5552
OPERATOR DOW CHEMICAL CO.
DRILLING CO CORUNNA PETROLEUMS
GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 745.6M PBTD
RIG TYPE CAB ELEV 192.5M+ 3.5M
CO-ORDINATES 327.3M S: 168.1M E
LATITUDE 42-53-47 N
LONGITUDE 82-47-45 W SEQ 1
CONFIDENTIAL 1982 03 25
SPUDDED 1981 03 16
COMPLETED 1981 03 25
ABANDONED
SPL TRAY No 4032 INDEX No 2370

GEOLOGICAL CONTACTS:

			TOP m	ELEV m	THICK m
SAMPLES START AT			66.0		
LAKE / GROUND LEVEL				192.5	
DRIFT / LAKE BOTTOM			3.5		
DEVONIAN	PRT LAMBTON		0.		
	KETTLE POINT		66.0		
	HAMILTON		96.0		
		MARCELLUS			
		DUNDEE	179.0		
	DETROIT RIVER	LUCAS	229.0		
		AMHERSTBURG	294.0		
		BOIS BLANC	327.0		
		BASS ISLANDS	366.0		
SILURIAN		G UNIT SHALE	417.0		
		F UNIT SHALE	424.0		
		E UNIT CARB	452.0		
		D UNIT SALT	492.0		
		C UNIT SHALE	534.0		
		MARKER	573.8		
		B UNIT SALT	580.0		
		ANHY	666.6		
		CARB	669.0		
		A-2 UNIT SALT	714.0		
		ANHY	744.0		
		CARB			
		A-1 UNIT EVAP			
	GUELPH				
	ERAMOSA				
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 744.0 MDC 6

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
340MM	81.1KG	61.0	CEMENTED	
244MM	53.6KG	592.0	CEMENTED	
178MM	29.8KG	743.0	HANGING	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 748.0	GRNL	1.0- 748.0	CALP

CORING RECORD

CONDITION CC1 STORED ONTARIO WELL REP

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
273.0- 420.2	411.1		

REMARKS

POOR SAMPLES QUALITY
CRITICAL MISSING SAMPLES

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED FORMATION(S) OPEN HOLE YES

D.S.T.(S) ON FILE TREATMENT

CLASS OTHER FIELD/POOL STATUS BRINE WELL

COUNTY LAMBTON TOWNSHIP MOORE LOT 24 CON XI

WELL NAME: DOW 865 MOORE 24-XI PERMIT NO. 5553

OPERATOR DOW CHEMICAL CO.

DRILLING CO CORUNNA PETROLEUMS TOTAL DEPTH 748.5M PBTD

GEOLOGY BY PETROLEUM RESOURCE RIG TYPE ROT ELEV 192.6M+ 3.4M

CO-ORDINATES 327.3M S: 244.2M E

LATITUDE 42-53-47 N

LONGITUDE 82-24-42 W SEQ 1

CONFIDENTIAL 1982 03 11

SPUDDED 1981 03 02

COMPLETED 1981 03 11

ABANDONED

SPL TRAY No 3169 INDEX No 2369

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 63.0					
LAKE / GROUND LEVEL				192.6	
DRIFT / LAKE BOTTOM			3.4		
DEVONIAN	PRT LAMBTON				
		KETTLE POINT			
	HAMILTON	MARCELLUS	98.0		
		DUNDEE	153.0		
	DETROIT RIVER	LUCAS	171.0		
		AMHERSTBURG	220.0		
		BOIS BLANC	288.0		
		BASS ISLANDS	0.		
SILURIAN		G UNIT SHALE	339.0		
		F UNIT SHALE	416.0		
		E UNIT CARB	422.6		
		D UNIT SALT	525.5		
		C UNIT SHALE	549.0		
		MARKER	554.8		
		B UNIT SALT	574.6		
		ANHY	580.5		
		CARB			
		A-2 UNIT SALT	671.9		
		ANHY	715.5		
		CARB			
		A-1 UNIT EVAP			
		GUELPH			
		ERAMOSA			
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 748.0			MOC 6		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
340MM	81.1KG	62.0	CEMENTED	
245MM	53.0KG	593.7	CEMENTED	
178MM	29.8KG	740.6	HANGING	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
375.0- 748.5	GRNL	75.0- 748.5	CALP

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

0 UNIT EQU 0.
CRITICAL MISSING SAMPLES
POOR SAMPLES QUALITY
LOGS INCOMPLETE
SOME PICKS INTERPRETIVE, NO LOGS OR SAMPLES

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE YES
FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS NFW FIELD/POOL STATUS DRY HOLE -ABD

COUNTY LAMBTON TOWNSHIP MOORE LOT 27 CON XI

WELL NAME: DOW ET AL MOORE 1-27-XI PERMIT NO. 5544

OPERATOR DOW CHEMICAL CO.

DRILLING CO NEWPORT, JAMES R. TOTAL DEPTH 817.0M PBTD

GEOLOGY BY PETROLEUM RESOURCE RIG TYPE CAB ELEV 189.9M+ 1.4M

CO-ORDINATES 146.3M S: 152.4M W

LATITUDE 42-53-53 N

LONGITUDE 82-25-56 W SEQ 1

CONFIDENTIAL 1982 02 10

SPUDDED 1981 01 07

COMPLETED 1981 02 10

ABANDONED 1981 02 16

SPL TRAY No 7171 INDEX No 2340

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 43.0					
LAKE - GROUND LEVEL				189.9	
DRIFT - LAKE BOTTOM			1.4		
DEVONIAN	PRT LAMBTON		0.		
		KETTLE POINT	42.0		
	HAMILTON	MARCELLUS	100.1		
		DUNDEE	167.6		
	DETROIT RIVER	LUCAS	185.9		
		AMHERSTBURG	220.5		
		BOIS BLANC	304.1		
		BASS ISLANDS	347.6		
SILURIAN		G UNIT SHALE	364.0		
		F UNIT SHALE	414.2		
		E UNIT CARB	421.0		
		D UNIT SALT	523.0		
		C UNIT SHALE	550.5		
		MARKER	562.0		
		B UNIT SALT	577.6		
		ANHY	580.5		
		CARB	676.0		
		A-2 UNIT SALT	677.0		
		ANHY	722.0		
		CARB			
		A-1 UNIT EVAP	759.4		
		GUELPH	798.5		
		ERAMOSA	803.3		
	AMABEL	GOAT ISLAND	0.		
		GASPORT	808.5		
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 814.0			MOC 7		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
100.0- 101.0	SHOW	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
42.0- 43.0			FRESH
223.0- 226.0	42.0		SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	60.2KG	43.4	CASING SHOE	43.4
219MM	35.7KG	187.5	CASING SHOE	187.5
178MM	34.2KG	427.5	CEMENTED	427.5

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 817.0	GRNL		

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

0 UNIT EQU 0.

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS NFW FIELD/POOL STATUS DRY HOLE -ABD

COUNTY LAMBTON TOWNSHIP MOORE LOT 63 CON RF

WELL NAME: DOW ET AL MOORE 63-RF PERMIT NO.: 5773

OPERATOR DOW CHEMICAL CO. TOTAL DEPTH 806.0M PBTD

DRILLING CO NEWPORT, JAMES R. RIG TYPE CAB ELEV 190.1M+ 1.2M

GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES 200.3M NI 475.0M W

LATITUDE 42-53-35 N

LONGITUDE 82-26-37 W SEQ 1

CONFIDENTIAL 1982 11 18

SPUDDED 1981 10 15

COMPLETED 1981 11 18

ABANDONED 1981 11 25

SPL TRAY No 7273 INDEX No 2380

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 64.0					
LAKE / GROUND LEVEL				190.1	
DRIFT / LAKE BOTTOM			1.2		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	61.7		
		MARCELLUS	102.9		
	DETROIT RIVER	DUNDEE	186.4		
		LUCAS	219.5		
		AMHERSTBURG	299.4		
		BOIS BLANC	337.0		
		BASS ISLANDS	363.3		
SILURIAN		G UNIT SHALE	410.1		
		F UNIT SHALE	416.3		
		E UNIT CARB	460.4		
		D UNIT SALT	542.7		
		C UNIT SHALE	554.0		
		MARKER	571.2		
		B UNIT SALT	580.3		
		ANHY	668.1		
		CARB	669.3		
		A-2 UNIT SALT	712.2		
		ANHY	752.8		
		CARB	757.7		
		A-1 UNIT EVAP	792.2		
	GUELPH		797.0		
	ERAMOSA				
	AMABEL	GOAT ISLAND	802.9		
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
	CATARACT	REYNALES			
		THOROLD			
		GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 805.0				MOC	7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
42.0- 44.0	SHOW	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
42.0- 44.0			FRESH
56.0-			FRESH
222.0- 225.0	32.0		SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	60.2KG	64.0	CASING SHOE	64.0
219MM	35.7KG	188.0	CASING SHOE	188.0
178MM	34.2KG	435.0	CEMENTED	287.4

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 806.0	GRNL		

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

D UNIT EQU 540.2 B UNIT EQU 577.4
"F" SALT PRESENT
"E" SALT PRESENT

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS NFW FIELD/POOL STATUS DRY HOLE -ABD

COUNTY LAMBTON TOWNSHIP PLYMPTON LOT 1 CON III

WELL NAME: FRANCISCO BLUEW PLYMPTON S-1-III PERMIT NO.: 5507

OPERATOR FRANISCO PETR. EN TOTAL DEPTH 793.0M PBTD

DRILLING CO RAWLINGS DRILLING RIG TYPE CAB ELEV 195.9M+ 1.2M

GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES 502.9M NI 150.8M W

LATITUDE 42-57-42 N

LONGITUDE 82-13-39 W SEQ 1

CONFIDENTIAL 1982 01 22

SPUDDED 1980 11 20

COMPLETED 1981 01 22

ABANDONED 1981 03 02

SPL TRAY No 7192 INDEX No 2345

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 49.0					
LAKE / GROUND LEVEL				195.9	
DRIFT / LAKE BOTTOM			1.2		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS	49.0		
	DETROIT RIVER	DUNDEE	118.0		
		LUCAS	141.0		
		AMHERSTBURG	240.0		
		BOIS BLANC	287.0		
		BASS ISLANDS	311.0		
SILURIAN		G UNIT SHALE	374.0		
		F UNIT SHALE	382.0		
		E UNIT CARB	455.0		
		D UNIT SALT	517.0		
		C UNIT SHALE	528.0		
		MARKER	542.0		
		B UNIT SALT	550.0		
		ANHY			
		CARB	646.0		
		A-2 UNIT SALT	688.0		
		ANHY	719.0		
		CARB	720.0		
		A-1 UNIT EVAP	755.0		
	GUELPH		763.0		
	ERAMOSA				
	AMABEL	GOAT ISLAND	768.0		
		GASPORT	777.0		
		ROCHESTER	784.0		
		IRONDEQUOIT			
	CATARACT	REYNALES			
		THOROLD			
		GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 793.0				MOC	7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
143.0-			FRESH
142.0-	50.0		SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM		49.5	CASING SHOE	49.5
219MM	10.4KG	125.0	CASING SHOE	125.0
178MM	9.1KG	376.0	PACKER	367.0

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

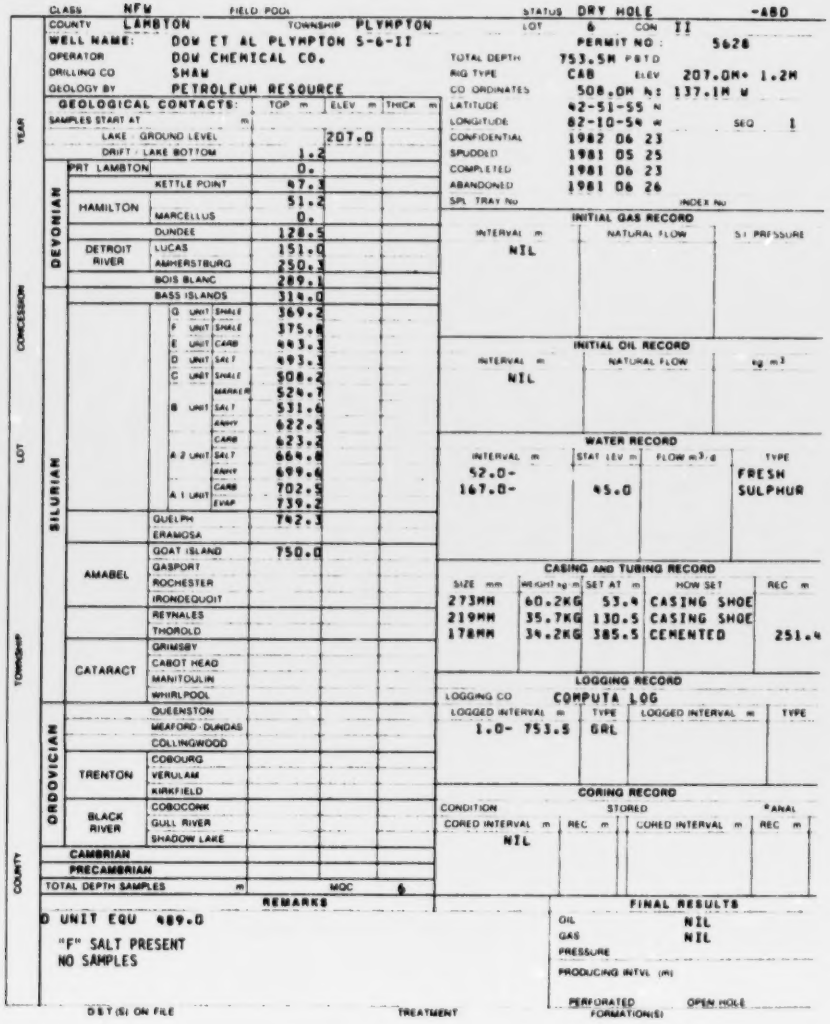
REMARKS

D UNIT EQU 513.0
COLUMBUS FACIES PRESENT IN LUCAS
OIL STAIN NOT MATCHING INITIAL OIL RECORD
"F" SALT PRESENT
"E" SALT PRESENT

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT



CLASS NFW FIELD POOL STATUS DRY HOLE -ABD
COUNTY LAMBTON TOWNSHIP PLYMPTON LOT 6 CON II
WELL NAME: DOW ET AL PLYMPTON S-6-II PERMIT NO: 5628
OPERATOR DOW CHEMICAL CO.
DRILLING CO SHAW
GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 753.5M PBTD
RIG TYPE CAB ELEV 207.0M+ 1.2M
CO-ORDINATES 508.0M N: 137.1M W
LATITUDE 42-51-55 N
LONGITUDE 82-10-54 W SEQ 1
CONFIDENTIAL 1982 06 23
SPUDDED 1981 05 25
COMPLETED 1981 06 23
ABANDONED 1981 06 26
SPL TRAY No INDEX No

GEOLOGICAL CONTACTS:

			TOP m	ELEV m	THICK m
SAMPLES START AT					
LAKE / GROUND LEVEL				207.0	
DRIFT / LAKE BOTTOM			1.2		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	47.3		
		MARCELLUS	51.2		
		DUNDEE	128.5		
	DETROIT RIVER	LUCAS	151.0		
		AMHERSTBURG	250.3		
		BOIS BLANC	289.1		
		BASS ISLANDS	314.0		
SILURIAN		G UNIT SHALE	369.2		
		F UNIT SHALE	375.8		
		E UNIT CARB	443.3		
		D UNIT SALT	493.3		
		C UNIT SHALE	508.2		
		MARKER	524.7		
		B UNIT SALT	531.6		
		ANHY	622.5		
		CARB	623.2		
		A 2 UNIT SALT	664.8		
		ANHY	699.6		
		CARB	702.5		
		A 1 UNIT EVAP	739.2		
	GUELPH		742.3		
	ERAMOSA				
	AMABEL	GOAT ISLAND	750.0		
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES m			MDC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
52.0- 167.0-	45.0		FRESH SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	60.2KG	53.4	CASING SHOE	
219MM	35.7KG	130.5	CASING SHOE	
178MM	34.2KG	385.5	CEMENTED	251.4

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 753.5	GRL		

CORING RECORD

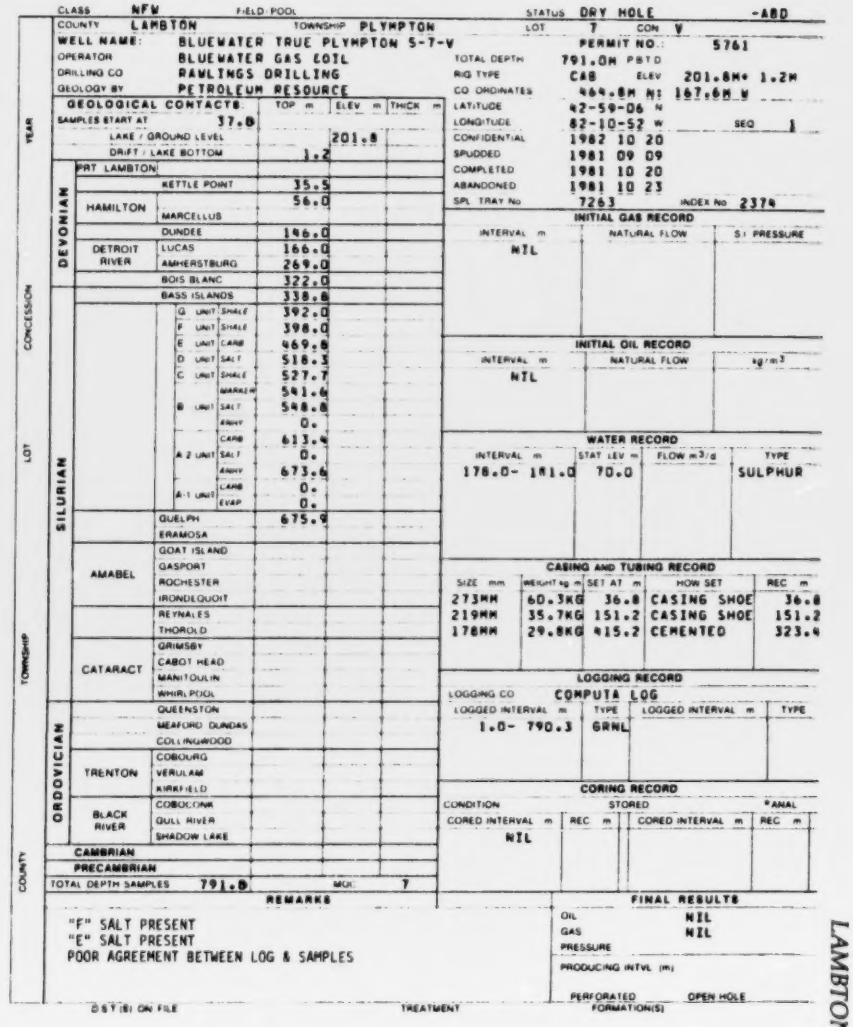
CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS
D UNIT EQU 489.0
"F" SALT PRESENT
NO SAMPLES

FINAL RESULTS
OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT



CLASS NFW FIELD POOL STATUS DRY HOLE -ABD
COUNTY LAMBTON TOWNSHIP PLYMPTON LOT 7 CON V
WELL NAME: BLUEWATER TRUE PLYMPTON S-7-V PERMIT NO: 5761
OPERATOR BLUEWATER GAS COIL
DRILLING CO RAWLINGS DRILLING
GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 791.0M PBTD
RIG TYPE CAB ELEV 201.8M+ 1.2M
CO-ORDINATES 464.8M N: 167.6M W
LATITUDE 42-59-06 N
LONGITUDE 82-10-52 W SEQ 1
CONFIDENTIAL 1982 10 20
SPUDDED 1981 09 09
COMPLETED 1981 10 20
ABANDONED 1981 10 23
SPL TRAY No 7263 INDEX No 2374

GEOLOGICAL CONTACTS

			TOP m	ELEV m	THICK m
SAMPLES START AT			37.0		
LAKE / GROUND LEVEL				201.8	
DRIFT / LAKE BOTTOM			1.2		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT	35.5		
		MARCELLUS	56.0		
		DUNDEE	146.0		
	DETROIT RIVER	LUCAS	166.0		
		AMHERSTBURG	269.0		
		BOIS BLANC	322.0		
		BASS ISLANDS	338.8		
SILURIAN		G UNIT SHALE	392.0		
		F UNIT SHALE	398.0		
		E UNIT CARB	469.8		
		D UNIT SALT	518.3		
		C UNIT SHALE	527.7		
		MARKER	541.6		
		B UNIT SALT	548.8		
		ANHY	0.		
		CARB	613.4		
		A 2 UNIT SALT	0.		
		ANHY	673.6		
		A-1 UNIT CARB	0.		
		EVAP	0.		
	GUELPH		675.9		
	ERAMOSA				
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 791.0			MDC 7		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
178.0- 181.0	70.0		SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	60.3KG	36.8	CASING SHOE	36.8
219MM	35.7KG	151.2	CASING SHOE	151.2
178MM	29.8KG	415.2	CEMENTED	323.4

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 790.3	GRNL		

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS
"F" SALT PRESENT
"E" SALT PRESENT
POOR AGREEMENT BETWEEN LOG & SAMPLES

FINAL RESULTS
OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS NFW FIELD POOL STATUS SALT WATER -ABD

COUNTY LAMBTON TOWNSHIP PLYMPTON LOT 8 CON V

WELL NAME: BLUEWATER-TRUE PLYMPTON 3-8-V PERMIT NO.: 5557

OPERATOR BLUEWATER GAS LOIL

DRILLING CO RAWLINGS DRILLING

GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 757.0M PBTD

RIG TYPE CAB ELEV 202.4M± 1.2M

CO-ORDINATES 563.3M S; 107.3M E

LATITUDE 42-59-16 N

LONGITUDE 82-10-40 W SEQ 1

CONFIDENTIAL 1982 03 16

SPUDDED 1981 01 28

COMPLETED 1981 03 16

ABANDONED 1981 03 20

SPL TRAY No 7169 INDEX No 2339

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 37.0					
LAKE / GROUND LEVEL				202.4	
DRIFT / LAKE BOTTOM			1.2		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT	35.6		
		MARCELLUS	56.6		
		DUNDEE	130.0		
	DETROIT RIVER	LUCAS	148.0		
		AMHERSTBURG	180.4		
		BOIS BLANC	272.0		
		BASS ISLANDS	326.0		
SILURIAN		G UNIT SHALE	380.0		
		F UNIT SHALE	394.0		
		E UNIT CARB	400.5		
		D UNIT SALT	489.6		
		C UNIT SHALE	521.0		
		MARKER	532.3		
		B UNIT SALT	545.5		
		ANHY	552.0		
		CARB	619.6		
		A-2 UNIT SALT	0.		
		ANHY	648.0		
		CARB	657.9		
		A-1 UNIT EVAP			
	GUELPH		666.6		
	ERAMOSA		0.		
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 757.0 MOC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
177.0-	50.0		SULPHUR
745.0- 747.0	585.0		SALT

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	60.3KG	36.7	CASING SHOE	36.7
219MM	35.7KG	149.0	CASING SHOE	149.0
178MM	29.8KG	384.8	CEMENTED	293.3

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 757.2	GRNL	605.0- 757.2	DENL

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 0.

"F" SALT PRESENT

LOG AND SAMPLES DEPTHS DISAGREE BY A CONSTANT FACTOR

DST(6) ON FILE TREATMENT

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

CLASS NFW FIELD POOL STATUS DRY HOLE -ABD

COUNTY LAMBTON TOWNSHIP PLYMPTON LOT 13 CON II

WELL NAME DOW ET AL PLYMPTON 7-13-II PERMIT NO.: 5635

OPERATOR DOW CHEMICAL CO.

DRILLING CO NEWPORT, JAMES R.

GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 741.8M PBTD

RIG TYPE CAB ELEV 215.9M± 1.2M

CO-ORDINATES 305.0M N; 187.0M E

LATITUDE 42-56-46 N

LONGITUDE 82-08-29 W SEQ 1

CONFIDENTIAL 1982 07 13

SPUDDED 1981 06 10

COMPLETED 1981 07 13

ABANDONED 1981 07 16

SPL TRAY No 7221 INDEX No 2353

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 40.0					
LAKE / GROUND LEVEL				215.9	
DRIFT / LAKE BOTTOM			1.2		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT	41.0		
		MARCELLUS	47.4		
		DUNDEE	135.2		
	DETROIT RIVER	LUCAS	163.8		
		AMHERSTBURG	262.9		
		BOIS BLANC	304.0		
		BASS ISLANDS	322.0		
SILURIAN		G UNIT SHALE	371.0		
		F UNIT SHALE	377.2		
		E UNIT CARB	438.2		
		D UNIT SALT	488.5		
		C UNIT SHALE	499.9		
		MARKER	521.0		
		B UNIT SALT	529.5		
		ANHY	0.		
		CARB	613.0		
		A-2 UNIT SALT	654.8		
		ANHY	684.1		
		CARB	686.0		
		A-1 UNIT EVAP	725.3		
	GUELPH		732.3		
	ERAMOSA				
	AMABEL	GOAT ISLAND	737.5		
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 742.0 MOC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
33.0-	SHOW	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
33.0- 34.0			FRESH
146.0- 149.0	76.0		SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	60.2KG	41.7	CASING SHOE	41.7
219MM	35.7KG	136.6	CASING SHOE	136.6
178MM	34.2KG	378.3	CEMENTED	273.7

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 741.8	GRNL		

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

SPRINGVALE AT BASE OF BOIS BLANC

"F" SALT PRESENT

"E" SALT PRESENT

DST(5) ON FILE TREATMENT

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

CLASS DEVEL FIELD POOL STATUS DRY HOLE -ABD

COUNTY LAMBTON TOWNSHIP PLYMPTON LOT 19 CON VI

WELL NAME: BLUEW TRUE NILT PLYMPTON 4-19-VI PERMIT NO.. 5604

OPERATOR BLUEWATER GAS &OIL TOTAL DEPTH 771.0M PBTD

DRILLING CO RAWLINGS DRILLING RIG TYPE CAB ELEV 208.3M± 1.4M

GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES 426.7M S; 91.4M W

LATITUDE 42-59-59 N

LONGITUDE 82-05-20 W SEQ 1

CONFIDENTIAL 1981 07 04

SPUDDED 1981 05 01

COMPLETED 1981 06 04

ABANDONED 1981 06 11

SPL TRAY No 7200 INDEX No 2349

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 24.0					
LAKE / GROUND LEVEL				208.3	
DRIFT / LAKE BOTTOM			1.4		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	25.4		
		MARCELLUS	45.1		
	DETROIT RIVER	DUNDEE	136.4		
		LUCAS	167.0		
		AMHERSTBURG	248.3		
		BOIS BLANC	297.0		
SILURIAN		BASS ISLANDS	323.6		
		G UNIT SHALE	376.0		
		F UNIT SHALE	382.4		
		E UNIT CARB	436.3		
		D UNIT SALT	483.8		
		C UNIT SHALE	492.8		
		MARKER	506.3		
		B UNIT SALT	513.9		
		ANHY	0.		
		CARB	613.3		
		A-2 UNIT SALT	629.7		
		ANHY	633.0		
		CARB	637.6		
		A-1 UNIT EVAP	663.0		
	GUELPH		669.2		
	ERAMOSA		0.		
	AMABEL	GOAT ISLAND	743.3		
		GASPORT	753.3		
		ROCHESTER	761.2		
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 771.0			MOC	7	

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
169.0- 408.0- 412.0	80.0		SULPHUR SALT

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	60.3KG	26.1	CASING SHOE	26.1
219MM	35.7KG	137.0	CASING SHOE	128.3
178MM	29.8KG	388.9	CEMENTED	295.8

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 772.5	GRL	600.0- 772.5	DENL

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 479.5
"F" SALT PRESENT
"E" SALT PRESENT
PATCH REEF - GUELPH

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED FORMATION(S) OPEN HOLE

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD POOL STATUS DRY HOLE -ABD

COUNTY LAMBTON TOWNSHIP PLYMPTON LOT 19 CON VII

WELL NAME: L.J.T. PLYMPTON 7-19-VII PERMIT NO.: 5530

OPERATOR THIBODEAU, LEO J. TOTAL DEPTH 766.0M PBTD

DRILLING CO ASHBURN RIG TYPE CAB ELEV 206.6M± 1.4M

GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES 107.0M N; 195.0M E

LATITUDE 43-00-17 N

LONGITUDE 82-05-32 W SEQ 1

CONFIDENTIAL 1981 03 13

SPUDDED 1980 12 15

COMPLETED 1981 02 13

ABANDONED 1981 02 14

SPL TRAY No 7083 INDEX No 2338

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 24.0					
LAKE / GROUND LEVEL				206.6	
DRIFT LAKE BOTTOM			1.4		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT	24.1		
		MARCELLUS	45.0		
	DETROIT RIVER	DUNDEE	136.2		
		LUCAS	165.8		
		AMHERSTBURG	265.0		
		BOIS BLANC	307.0		
SILURIAN		BASS ISLANDS	329.0		
		G UNIT SHALE	363.6		
		F UNIT SHALE	371.3		
		E UNIT CARB	410.5		
		D UNIT SALT			
		C UNIT SHALE	498.0		
		MARKER	512.0		
		B UNIT SALT	519.7		
		ANHY	0.		
		CARB	624.0		
		A-2 UNIT SALT	667.0		
		ANHY	695.2		
		CARB	698.2		
		A-1 UNIT EVAP	735.0		
	GUELPH		743.0		
	ERAMOSA		0.		
	AMABEL	GOAT ISLAND	749.9		
		GASPORT	760.0		
		ROCHESTER	763.8		
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 765.0			MOC	7	

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
24.1- 172.2-	61.0		FRESH SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	60.3KG	25.1	CASING SHOE	
219MM	35.7KG	141.7	CASING SHOE	
178MM	29.8KG	388.0	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

B UNIT EQU 0. DE CEV 0. D UNIT EQU 487.1
"E" SALT PRESENT
NO LOGS

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED FORMATION(S) OPEN HOLE

DST(S) ON FILE TREATMENT

CLASS NFW FIELD/POOL STATUS DRY HOLE -ABD
COUNTY LAMBTON TOWNSHIP PLYMPTON LOT 20 CON V
WELL NAME: DOW ET AL PLYMPTON 6-20-V PERMIT NO.: 5705
OPERATOR DOW CHEMICAL CO.
DRILLING CO SHAW
GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 748.0M PBTD
RIG TYPE CAB ELEV 216.3M+ 1.2M
CO ORDINATES 523.0M N; 73.5M E
LATITUDE 42-59-02 N SEQ 1
LONGITUDE 82-05-09 W
CONFIDENTIAL 1982 08 20
SPUDDED 1981 07 22
COMPLETED 1981 08 20
ABANDONED 1981 08 24
SPL TRAY No 7244 INDEX No 2365

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 33.0					
LAKE / GROUND LEVEL				216.3	
DRIFT / LAKE BOTTOM			1.2		
DEVONIAN	PRT LAMBTON				
		KETTLE POINT	31.2		
	HAMILTON	MARCELLUS	51.9		
		DUNDEE	142.1		
	DETROIT RIVER	LUCAS	172.0		
		AMHERSTBURG	273.2		
		BOIS BLANC	316.6		
		BASS ISLANDS	333.4		
SILURIAN		G UNIT SHALE	380.0		
		F UNIT SHALE	387.0		
		E UNIT CARB	470.0		
		D UNIT SALT	492.5		
		C UNIT SHALE	503.7		
		MARKER	524.9		
		B UNIT SALT	533.0		
		ANHY	0.		
		CARB	620.1		
		A 2 UNIT SALT	662.6		
		ANHY	0.		
		CARB	694.0		
		A 1 UNIT EVAP	734.4		
	GUELPH		738.6		
	ERAMOSA				
	AMABEL	GOAT ISLAND	744.0		
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 747.0			MDC	7	

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
32.0-	12.0		FRESH
178.0-	90.0		SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	60.2KG	33.1	CASING SHOE	33.1
219MM	35.7KG	145.5	CASING SHOE	145.5
178MM	34.2KG	401.4	CEMENTED	274.0

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 748.0	GRNL		

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

"F" SALT PRESENT
"E" SALT PRESENT

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED FORMATION(S)
OPEN HOLE

DST(S) ON FILE
TREATMENT

CLASS DEVEL FIELD/POOL STATUS GAS PRODUCER
COUNTY LAMBTON TOWNSHIP SARNIA LOT 8 CON A
WELL NAME: DOW #2 SARNIA 2-8-A PERMIT NO.: 5523
OPERATOR DOW CHEMICAL CO.
DRILLING CO SHAW
GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 802.3M PBTD
RIG TYPE CAB ELEV 193.7M+ 1.2M
CO ORDINATES 401.5M N; 307.5M W
LATITUDE 42-55-27 N SEQ 1
LONGITUDE 82-21-40 W
CONFIDENTIAL 1981 04 13
SPUDDED 1980 11 26
COMPLETED 1981 03 13
ABANDONED
SPL TRAY No 7188 INDEX No 2344

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 42.0					
LAKE / GROUND LEVEL				193.7	
DRIFT / LAKE BOTTOM			1.2		
DEVONIAN	PRT LAMBTON		0.		
		KETTLE POINT	39.4		
	HAMILTON	MARCELLUS	61.2		
		DUNDEE	133.0		
	DETROIT RIVER	LUCAS	149.4		
		AMHERSTBURG	182.6		
		BOIS BLANC	277.0		
		BASS ISLANDS	325.0		
SILURIAN		G UNIT SHALE	342.0		
		F UNIT SHALE	411.6		
		E UNIT CARB	418.6		
		D UNIT SALT	546.0		
		C UNIT SHALE	562.5		
		MARKER	570.9		
		B UNIT SALT	584.0		
		ANHY	600.0		
		CARB	647.8		
		A-2 UNIT SALT	0.		
		ANHY	682.0		
		CARB	692.0		
		A-1 UNIT EVAP			
	GUELPH		712.0		
	ERAMOSA		0.		
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 802.0			MDC	7	

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
693.0-		4500 KPA
802.0-	1105 M3/D	5700 KPA
708.0-		5000 KPA
712.0-		5500 KPA
761.0-		5700 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
41.0-	26.0		FRESH
190.0-	40.0		SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
346MM	71.4KG	41.7	CASING SHOE	
273MM	60.2KG	153.5	CASING SHOE	153.5
219MM	35.7KG	424.8	CEMENTED	
178MM	34.2KG	685.0	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 802.3	GRNL	685.0- 802.2	DENL

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 0.
DOLOMITIZED PINNACLE REEF
"F" SALT PRESENT
LOG AND SAMPLES DEPTHS DISAGREE BY A CONSTANT FACTOR

FINAL RESULTS

OIL NIL
GAS 1105 M3/D
PRESSURE 5700 KPA
PRODUCING INTVL (m) 693.0- 799.0
PERFORATED FORMATION(S) GUELPH
OPEN HOLE A1 CARBONATE

DST(S) ON FILE
TREATMENT

WELL SUMMARY CARDS LISTED ALPHABETICALLY BY COUNTY & TOWNSHIP

CLASS DEVEL FIELD POOL STATUS GAS PRODUCER

COUNTY LAMBTON TOWNSHIP SARNIA LOT 9 CON 501

WELL NAME: DOW SARNIA 1-9-501

OPERATOR DOW CHEMICAL CO.

DRILLING CO SHAW

GEOLOGY BY PETROLEUM RESOURCE

PERMIT NO.: 5572

TOTAL DEPTH 805.5M PBTD

RIG TYPE CAB ELEV 194.1M+ 1.2M

CO-ORDINATES 45.0M N: 35.5M W

LATITUDE 42-54-58 N

LONGITUDE 82-21-27 W SEQ 1

CONFIDENTIAL 1981 06 14

SPUDDED 1981 04 04

COMPLETED 1981 05 14

ABANDONED

SPL TRAY No 7213 INDEX No 2354

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 46.0					
LAKE / GROUND LEVEL				194.1	
DRIFT / LAKE BOTTOM			1.2		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	38.6		
		MARCELLUS	58.4		
	DETROIT RIVER	DUNDEE	146.6		
		LUCAS	180.7		
		AMHERSTBURG	275.2		
		BOIS BLANC	303.8		
SILURIAN		BASS ISLANDS	336.9		
		G UNIT SHALE	402.5		
		F UNIT SHALE	409.7		
		E UNIT CARB	476.4		
		D UNIT SALT	552.5		
		C UNIT SHALE	566.0		
		MARKER	579.0		
		B UNIT SALT	586.0		
		ANHY	0.		
		CARB	676.2		
		A 2 UNIT SALT	722.7		
		ANHY	750.5		
		LIME	752.3		
		A 1 UNIT EVAP	789.0		
		GUELPH	789.8		
		ERAMOSA			
	AMABEL	GOAT ISLAND	802.0		
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 803.0 MDC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
785.0- 789.0	SHOW	
789.5- 799.0	3 M3/D	5688 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
39.0-			FRESH
182.0-	45.0		SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	60.2KG	40.1	CASING SHOE	
219MM	35.7KG	149.9	CASING SHOE	
178MM	34.2KG	424.2	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 805.0	GRNL	715.0- 805.0	DENL

CORING RECORD

CONDITION STORED

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	*ANAL
NIL				

REMARKS

D UNIT EQU 547.6

"F" SALT PRESENT

"E" SALT PRESENT

OIL STAIN NOT MATCHING INITIAL OIL RECORD

POOR AGREEMENT BETWEEN LOG & SAMPLES

D&T(S) ON FILE

TREATMENT

FINAL RESULTS

OIL NIL

GAS 3 M3/D

PRESSURE 5688 KPA

PRODUCING INTVL (m) 789.5- 799.0

PERFORATED FORMATION(S) GUELPH

OPEN HOLE YES

OPEN HOLE A1 EVAPORITE

CLASS NEW FIELD POOL STATUS GAS PRODUCER

COUNTY LAMBTON TOWNSHIP SARNIA LOT 11 CON VIII

WELL NAME: BLUEWATER TRUE SARNIA 2-11-VIII

OPERATOR BLUEWATER OIL & GAS

DRILLING CO RAWLINGS RILLING

GEOLOGY BY PETROLEUM RESOURCES

PERMIT NO.: 5765

TOTAL DEPTH 822.5M PBTD 799.5M

RIG TYPE CAB ELEV 179.1M + 1.2M

CO-ORDINATES 221.9M S: 477.9M W

LATITUDE 43-00-19 N

LONGITUDE 82-18-44 W SEQ 1

CONFIDENTIAL 1982 12 04

SPUDDED 1981 09 29

COMPLETED 1981 12 04

ABANDONED

SPL TRAY No 7275 INDEX No 2382

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 35.0					
LAKE / GROUND LEVEL					
DRIFT / LAKE BOTTOM			1.2		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT	33.1		
		MARCELLUS	46.5		
	DETROIT RIVER	DUNDEE	147.1		
		LUCAS	178.2		
		AMHERSTBURG	277.4		
		BOIS BLANC	333.7		
SILURIAN		BASS ISLANDS	353.6		
		G UNIT SHALE	432.4		
		F UNIT SHALE	440.0		
		E UNIT CARB	534.8		
		D UNIT SALT	583.7		
		C UNIT SHALE	592.9		
		MARKER	608.0		
		B UNIT SALT	614.5		
		ANHY			
		CARB	680.6		
		A 2 UNIT SALT	0.		
		ANHY	710.6		
		LIME	720.6		
		A 1 UNIT EVAP	0.		
		GUELPH	744.0		
		ERAMOSA			
	AMABEL	GOAT ISLAND			
		GASPORT	805.5		
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 822.3 m MDC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
758.0 - 780.5	11.8 M3/D	3725 KPA
780.5 - 818.3	18.5 M3/D	3725 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
34.0 -	10.0		FRESH
184.0 -	100.0		SULPHUR
820.0 -	793.0		SALT

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	60.3 KG	35.5	CASING SHOE	
219MM	35.7 KG	153.3	CASING SHOE	
178MM	29.8 KG	445.0	CEMENTED	37.2
139MM	20.8 KG	779.9	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTALOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0 - 818.3	GRNL	779.0 - 818.3	DENL

CORING RECORD

CONDITION STORED

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	*ANAL

REMARKS

POOR AGREEMENT BETWEEN LOG & SAMPLES

"F" SALT PRESENT

"E" SALT PRESENT

D&T(S) ON FILE

TREATMENT

FINAL RESULTS

OIL

GAS

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATION(S)

OPEN HOLE

CLASS NFW FIELD POOL STATUS DRY HOLE -ABD

COUNTY LAMBTON TOWNSHIP WARWICK LOT 11 CON V

WELL NAME: SHELL RAM WARWICK 3-11-V

OPERATOR SHELL CANADA LTD.

DRILLING CO RAWLINGS DRILLING

GEOLOGY BY PETROLEUM RESOURCE

PERMIT NO. 5703

TOTAL DEPTH 708.0M PBTD

RIG TYPE CAB ELEV 217.3M+ 1.2M

CO-ORDINATES 385.0M S; 100.0M E

LATITUDE 42-57-06 N

LONGITUDE 81-56-19 W SEQ 1

CONFIDENTIAL 1982 08 21

SPUDDED 1981 07 13

COMPLETED 1981 08 21

ABANDONED 1981 08 28

SPL TRAY No 7258 INDEX No 2371

GEOLOGICAL CONTACTS		TOP m	ELEV m	THICK m
SAMPLES START AT		12.0		
LAKE / GROUND LEVEL			217.3	
DRIFT / LAKE BOTTOM		1.2		
DEVONIAN	PRT LAMBTON	0.		
	KETTLE POINT	10.7		
	HAMILTON / MARCELLUS	27.7		
	DUNDEE	111.9		
	DETROIT RIVER / LUCAS	145.1		
	AMHERSTBURG	207.0		
	BOIS BLANC	240.4		
	BASS ISLANDS	279.0		
SILURIAN	G UNIT SHALE	329.0		
	F UNIT SHALE	336.0		
	E UNIT CARB	369.2		
	D UNIT SALT	416.7		
	C UNIT SHALE	428.1		
	MARKER	447.7		
	B UNIT SALT	455.5		
	ANHY	0.		
	CARB	535.6		
	A-2 UNIT SALT	579.2		
	ANHY	597.4		
	CARB	599.1		
	A-1 UNIT EVAP	634.8		
	GUELPH	639.7		
	ERAMOSA			
	AMABEL / GOAT ISLAND	650.2		
	GASPORT	660.2		
	ROCHESTER	666.9		
	IRONDEQUOIT			
	REYNALES	679.1		
	THOROLD			
	CATARACT / GRIMSBY			
	CABOT HEAD	683.6		
	MANITOULIN	699.2		
	WHIRLPOOL			
ORDOVICIAN	QUEENSTON			
	MEAFORD DUNDAS			
	COLLINGWOOD			
	TRENTON / COBOURG			
	VERULAM			
	KIRKFIELD			
	BLACK RIVER / COBOCONK			
	GULL RIVER			
	SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				
TOTAL DEPTH SAMPLES	708.0	MQC	7	

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
146.0-			SULPHUR
662.0-	635.0		SALT

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
339MM	71.4KG	12.1	CASING SHOE	12.1
273MM	60.3KG	117.0	CASING SHOE	117.0
219MM	35.7KG	345.8	CEMENTED	249.0

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 707.4	GRNL	520.0- 707.4	DENL
1.0- 350.0	CCL		

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

D UNIT EQU 412.4

"E" SALT PRESENT

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED / OPEN HOLE

FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD POOL STATUS GAS PRODUCER

COUNTY LINCOLN TOWNSHIP GAINSBOROUGH LOT 7 CON IV

WELL NAME: UNEX 814 GAINSBOROUGH 2-7-IV

OPERATOR UNIVERSAL

DRILLING CO UNICOR DRILLING

GEOLOGY BY PETROLEUM RESOURCE

PERMIT NO. 5767

TOTAL DEPTH 153.5M PBTD

RIG TYPE ROT ELEV 186.8M+ 5.0M

CO-ORDINATES 220.0M S; 113.0M E

LATITUDE 43-03-03 N

LONGITUDE 79-32-23 W SEQ 1

CONFIDENTIAL 1981 11 08

SPUDDED 1981 09 20

COMPLETED 1981 10 08

ABANDONED

SPL TRAY No 7568 INDEX No 34

GEOLOGICAL CONTACTS		TOP m	ELEV m	THICK m
SAMPLES START AT		1.0		
LAKE / GROUND LEVEL			186.8	
DRIFT / LAKE BOTTOM		5.0		
DEVONIAN	PRT LAMBTON			
	KETTLE POINT			
	HAMILTON / MARCELLUS			
	DUNDEE			
	DETROIT RIVER / LUCAS			
	AMHERSTBURG			
	BOIS BLANC			
	BASS ISLANDS			
SILURIAN	G UNIT SHALE			
	F UNIT SHALE			
	E UNIT CARB			
	D UNIT SALT			
	C UNIT SHALE			
	MARKER			
	B UNIT SALT			
	ANHY			
	CARB			
	A-2 UNIT SALT			
	ANHY			
	CARB			
	A-1 UNIT EVAP			
	GUELPH			
	ERAMOSA	33.0		
	AMABEL / GOAT ISLAND			
	GASPORT	67.4		
	ROCHESTER	79.0		
	IRONDEQUOIT	97.3		
	REYNALES	99.4		
	THOROLD	101.9		
	CATARACT / GRIMSBY	105.0		
	CABOT HEAD	117.8		
	MANITOULIN	0.		
	WHIRLPOOL	134.5		
ORDOVICIAN	QUEENSTON	138.5		
	MEAFORD DUNDAS			
	COLLINGWOOD			
	TRENTON / COBOURG			
	VERULAM			
	KIRKFIELD			
	BLACK RIVER / COBOCONK			
	GULL RIVER			
	SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				
TOTAL DEPTH SAMPLES	152.0	MQC	7	

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
178MM	29.8KG	45.5	CEMENTED	
114MM	14.2KG	153.5	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 145.0	CNPL		

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

DE CEW 72.8

POOR AGREEMENT BETWEEN LOG & SAMPLES

FINAL RESULTS

OIL NIL

GAS NIL

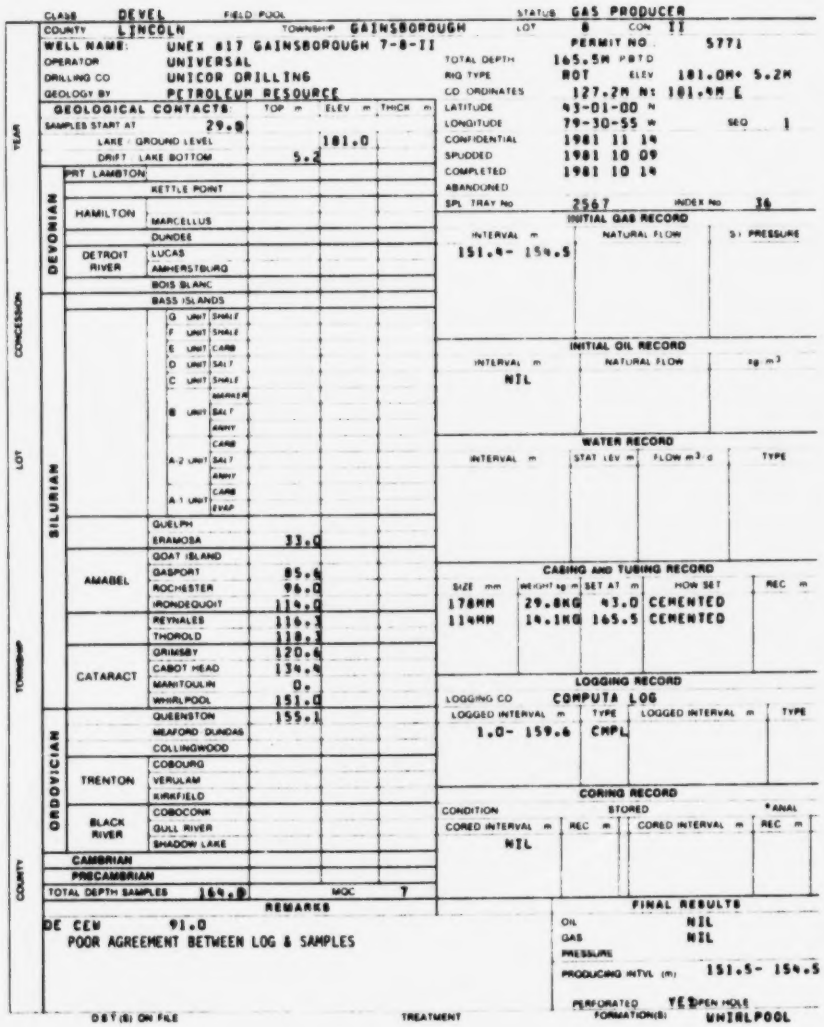
PRESSURE

PRODUCING INTVL (m) 135.0- 137.0

PERFORATED YES / OPEN HOLE

FORMATION(S) WHIRLPOOL

DST(S) ON FILE TREATMENT



CLASS DEVEL FIELD POOL STATUS GAS PRODUCER
COUNTY LINCOLN TOWNSHIP GAINSBOROUGH LOT 8 CON II
WELL NAME UNEX #17 GAINSBOROUGH 7-8-II PERMIT NO. 5771
OPERATOR UNIVERSAL
DRILLING CO UNICOR DRILLING
GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 165.5M PBTD
RIG TYPE ROT ELEV 181.0M+ 5.2M
CO ORDINATES 127.2M N; 181.4M E
LATITUDE 43-01-00 N
LONGITUDE 79-30-55 W SEQ 1
CONFIDENTIAL 1981 11 14
SPUDDED 1981 10 09
COMPLETED 1981 10 14
ABANDONED
SPL TRAY No 2567 INDEX No 36

GEOLOGICAL CONTACTS	TOP m	ELEV m	THICK m
SAMPLES START AT	29.0		
LAKE / GROUND LEVEL		181.0	
DRIFT / LAKE BOTTOM	5.2		
DEVONIAN — PRT LAMBTON			
DEVONIAN — KETTLE POINT			
DEVONIAN — HAMILTON — MARCELLUS			
DEVONIAN — DUNDEE			
DEVONIAN — DETROIT RIVER — LUCAS			
DEVONIAN — DETROIT RIVER — AMHERSTBURG			
DEVONIAN — BOIS BLANC			
DEVONIAN — BASS ISLANDS			
SILURIAN — G UNIT — SHALE			
SILURIAN — F UNIT — SHALE			
SILURIAN — E UNIT — CARB			
SILURIAN — D UNIT — SALT			
SILURIAN — C UNIT — SHALE			
SILURIAN — MARKER			
SILURIAN — B UNIT — SALT			
SILURIAN — ANHY			
SILURIAN — CARB			
SILURIAN — A-2 UNIT — SALT			
SILURIAN — ANHY			
SILURIAN — CARB			
SILURIAN — A-1 UNIT — EVAP			
SILURIAN — GUELPH			
SILURIAN — ERAMOSA	33.0		
SILURIAN — AMABEL — GOAT ISLAND			
SILURIAN — AMABEL — GASPORT	85.6		
SILURIAN — AMABEL — ROCHESTER	96.0		
SILURIAN — AMABEL — IRONDEQUOIT	114.0		
SILURIAN — REYNALES	116.3		
SILURIAN — THOROLD	118.3		
SILURIAN — CATARACT — GRIMSBY	120.6		
SILURIAN — CATARACT — CABOT HEAD	134.4		
SILURIAN — CATARACT — MANITOULIN	0.		
SILURIAN — CATARACT — WHIRLPOOL	151.0		
ORDOVICIAN — QUEENSTON	155.1		
ORDOVICIAN — MEAFORD-DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES 169.0		MOC	7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE
151.4- 154.5		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
178MM	29.8KG	43.0	CEMENTED	
114MM	14.1KG	165.5	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 159.6	CMPL		

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

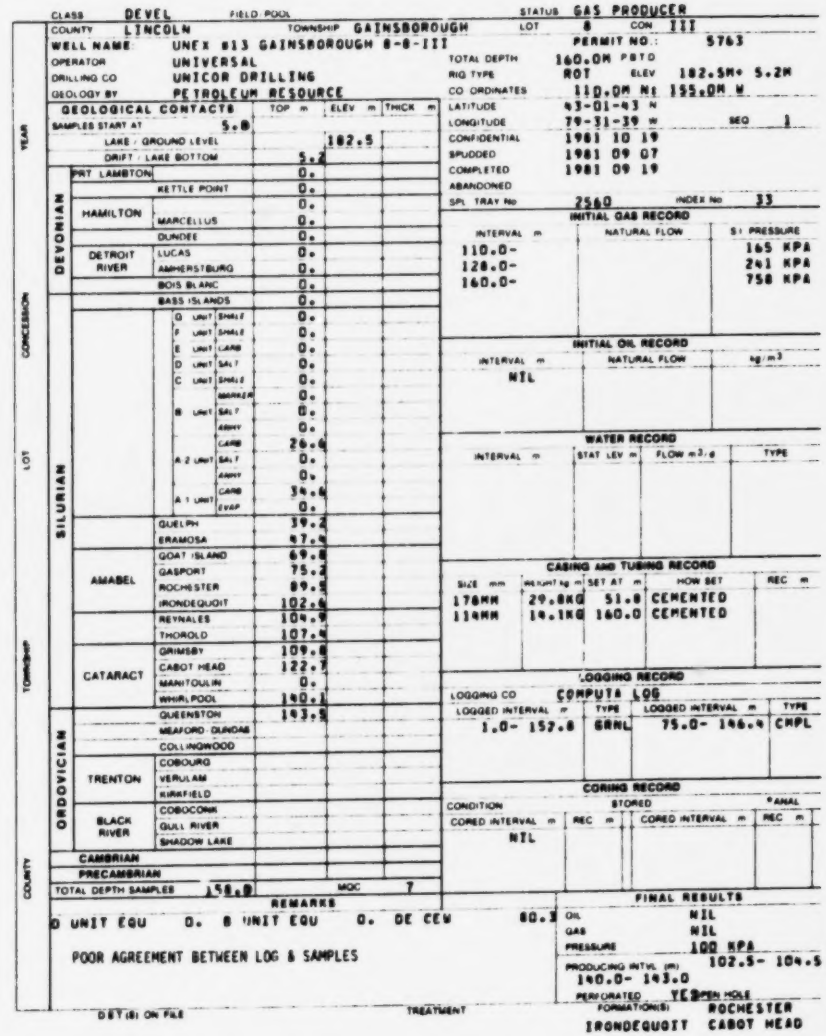
REMARKS

DE CEV 91.0
POOR AGREEMENT BETWEEN LOG & SAMPLES

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m) 151.5- 154.5
PERFORATED YES OPEN HOLE
FORMATION(S) WHIRLPOOL

DST(S) ON FILE TREATMENT



CLASS DEVEL FIELD POOL STATUS GAS PRODUCER
COUNTY LINCOLN TOWNSHIP GAINSBOROUGH LOT 8 CON III
WELL NAME UNEX #13 GAINSBOROUGH 8-8-III PERMIT NO. 5763
OPERATOR UNIVERSAL
DRILLING CO UNICOR DRILLING
GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 160.0M PBTD
RIG TYPE ROT ELEV 182.5M+ 5.2M
CO ORDINATES 110.0M N; 155.0M W
LATITUDE 43-01-43 N
LONGITUDE 79-31-39 W SEQ 1
CONFIDENTIAL 1981 10 19
SPUDDED 1981 09 07
COMPLETED 1981 09 19
ABANDONED
SPL TRAY No 2560 INDEX No 33

GEOLOGICAL CONTACTS	TOP m	ELEV m	THICK m
SAMPLES START AT	5.0		
LAKE / GROUND LEVEL		182.5	
DRIFT / LAKE BOTTOM	5.2		
DEVONIAN — PRT LAMBTON	0.		
DEVONIAN — KETTLE POINT	0.		
DEVONIAN — HAMILTON — MARCELLUS	0.		
DEVONIAN — DUNDEE	0.		
DEVONIAN — DETROIT RIVER — LUCAS	0.		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	0.		
DEVONIAN — BOIS BLANC	0.		
DEVONIAN — BASS ISLANDS	0.		
SILURIAN — G UNIT — SHALE	0.		
SILURIAN — F UNIT — SHALE	0.		
SILURIAN — E UNIT — CARB	0.		
SILURIAN — D UNIT — SALT	0.		
SILURIAN — C UNIT — SHALE	0.		
SILURIAN — MARKER	0.		
SILURIAN — B UNIT — SALT	0.		
SILURIAN — ANHY	0.		
SILURIAN — CARB	26.6		
SILURIAN — A-2 UNIT — SALT	0.		
SILURIAN — ANHY	0.		
SILURIAN — CARB	34.6		
SILURIAN — A-1 UNIT — EVAP	0.		
SILURIAN — GUELPH	39.2		
SILURIAN — ERAMOSA	47.4		
SILURIAN — AMABEL — GOAT ISLAND	69.6		
SILURIAN — AMABEL — GASPORT	75.2		
SILURIAN — AMABEL — ROCHESTER	89.5		
SILURIAN — AMABEL — IRONDEQUOIT	102.6		
SILURIAN — REYNALES	104.9		
SILURIAN — THOROLD	107.4		
SILURIAN — CATARACT — GRIMSBY	109.6		
SILURIAN — CATARACT — CABOT HEAD	122.7		
SILURIAN — CATARACT — MANITOULIN	0.		
SILURIAN — CATARACT — WHIRLPOOL	140.1		
ORDOVICIAN — QUEENSTON	143.5		
ORDOVICIAN — MEAFORD-DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES 158.0		MOC	7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE
110.0-		165 KPA
128.0-		241 KPA
160.0-		758 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
178MM	29.8KG	51.8	CEMENTED	
114MM	14.1KG	160.0	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 157.8	GRNL	75.0- 146.4	CMPL

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 0. B UNIT EQU 0. DE CEV 80.3
POOR AGREEMENT BETWEEN LOG & SAMPLES

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE 100 KPA
PRODUCING INTVL (m) 102.5- 104.5
140.0- 143.0
PERFORATED YES OPEN HOLE
FORMATION(S) ROCHESTER IRONDEQUOIT CABOT HEAD

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS GAS PRODUCER
COUNTY LINCOLN TOWNSHIP GAINSBOROUGH LOT 10 CON III
WELL NAME: UNEX #16 GAINSBOROUGH 1-10-III PERMIT NO: 5770
OPERATOR UNIVERSAL EXPLORATION
DRILLING CO UNICOR DRILLING LTD.
GEOLOGY BY PETROLEUM RESOURCES

TOTAL DEPTH 150.0M PBTD
RIG TYPE ROT ELEV 183.2M+ 5.0M
CO-ORDINATES 129.2M S; 190.5M W
LATITUDE 43-02-23 N
LONGITUDE 79-30-48 W SEQ 1
CONFIDENTIAL 1982 10 30
SPUDDED 1981 10 22
COMPLETED 1981 10 30
ABANDONED
SPL TRAY No 2493 INDEX No 35

GEOLOGICAL CONTACTS:	TOP m	ELEV m	THICK m
SAMPLES START AT 29.0m			
LAKE / GROUND LEVEL			
DRIFT / LAKE BOTTOM	5.0		
DEVONIAN: PRT LAMBTON	0.		
DEVONIAN: HAMILTON — KETTLE POINT			
DEVONIAN: HAMILTON — MARCELLUS			
DEVONIAN: HAMILTON — DUNDEE			
DEVONIAN: DETROIT RIVER — LUCAS			
DEVONIAN: DETROIT RIVER — AMHERSTBURG			
DEVONIAN: BOIS BLANC			
DEVONIAN: BASS ISLANDS			
SILURIAN: G UNIT SHALE			
SILURIAN: F UNIT SHALE			
SILURIAN: E UNIT CARB			
SILURIAN: D UNIT SALT			
SILURIAN: C UNIT SHALE			
SILURIAN: MARKER			
SILURIAN: B UNIT SALT			
SILURIAN: ANHY			
SILURIAN: CARB			
SILURIAN: A-2 UNIT SALT			
SILURIAN: ANHY			
SILURIAN: A-1 UNIT CARB	31.2		
SILURIAN: EVAP			
SILURIAN: GUELPH	33.0		
SILURIAN: ERAMOSA	0.		
SILURIAN: AMABEL — GOAT ISLAND	0.		
SILURIAN: AMABEL — GASPORT	0.		
SILURIAN: AMABEL — ROCHESTER	81.0		
SILURIAN: AMABEL — IRONDEQUOIT	97.5		
SILURIAN: CATARACT — REYNALES	100.0		
SILURIAN: CATARACT — THOROLD	102.5		
SILURIAN: CATARACT — GRIMSBY	104.0		
SILURIAN: CATARACT — CABOT HEAD	119.5		
SILURIAN: CATARACT — MANITOULIN	0.		
SILURIAN: CATARACT — WHIRLPOOL	135.0		
ORDOVICIAN: QUEENSTON	139.0		
ORDOVICIAN: MEAFORD DUNDAS			
ORDOVICIAN: COLLINGWOOD			
ORDOVICIAN: TRENTON — COBOURG			
ORDOVICIAN: TRENTON — VERULAM			
ORDOVICIAN: TRENTON — KIRKFIELD			
ORDOVICIAN: BLACK RIVER — COBOCONK			
ORDOVICIAN: BLACK RIVER — GULL RIVER			
ORDOVICIAN: BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES 150.0m	MISC 7		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
136.1 - 138.1	0.4 M3/D	689 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
178MM	30.0KG	43.3	CEMENTED	
114MM	14.0KG	150.0	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTALOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
136.0 - 144.8	GRNL		

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	

REMARKS

DYER BAY 0. FOSSIL HIL 0.

FINAL RESULTS

OIL
GAS 0.4 M3/D
PRESSURE
PRODUCING INTVL (m) 136.1 - 138.1
PERFORATED YES OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS GAS PRODUCER
COUNTY LINCOLN TOWNSHIP GAINSBOROUGH LOT 23 CON I
WELL NAME UNEX #15 GAINSBOROUGH 7-23-I PERMIT NO: 5769
OPERATOR UNIVERSAL
DRILLING CO UNICOR DRILLING
GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 178.4M PBTD
RIG TYPE ROT ELEV 180.1M+ 5.2M
CO-ORDINATES 1255.7M S; 117.0M E
LATITUDE 43-00-23 N
LONGITUDE 79-25-33 W SEQ 1
CONFIDENTIAL 1981 11 21
SPUDDED 1981 10 15
COMPLETED 1981 10 21
ABANDONED
SPL TRAY No 2629 INDEX No 37

GEOLOGICAL CONTACTS	TOP m	ELEV m	THICK m
SAMPLES START AT 29.0			
LAKE GROUND LEVEL		180.1	
DRIFT LAKE BOTTOM	5.2		
DEVONIAN: PRT LAMBTON	0.		
DEVONIAN: HAMILTON — KETTLE POINT	0.		
DEVONIAN: HAMILTON — MARCELLUS	0.		
DEVONIAN: HAMILTON — DUNDEE	0.		
DEVONIAN: DETROIT RIVER — LUCAS	0.		
DEVONIAN: DETROIT RIVER — AMHERSTBURG	0.		
DEVONIAN: BOIS BLANC	0.		
DEVONIAN: BASS ISLANDS	0.		
SILURIAN: G UNIT SHALE	0.		
SILURIAN: F UNIT SHALE	0.		
SILURIAN: E UNIT CARB	0.		
SILURIAN: D UNIT SALT	0.		
SILURIAN: C UNIT SHALE	0.		
SILURIAN: MARKER	0.		
SILURIAN: B UNIT SALT	0.		
SILURIAN: ANHY	0.		
SILURIAN: CARB	43.3		
SILURIAN: A-2 UNIT SALT			
SILURIAN: ANHY	0.		
SILURIAN: A-1 UNIT CARB			
SILURIAN: EVAP	0.		
SILURIAN: GUELPH	46.5		
SILURIAN: ERAMOSA	61.0		
SILURIAN: AMABEL — GOAT ISLAND	97.2		
SILURIAN: AMABEL — GASPORT	102.4		
SILURIAN: AMABEL — ROCHESTER	111.7		
SILURIAN: AMABEL — IRONDEQUOIT	125.9		
SILURIAN: CATARACT — REYNALES	128.0		
SILURIAN: CATARACT — THOROLD	130.4		
SILURIAN: CATARACT — GRIMSBY	139.6		
SILURIAN: CATARACT — CABOT HEAD	142.0		
SILURIAN: CATARACT — MANITOULIN	162.0		
SILURIAN: CATARACT — WHIRLPOOL	164.1		
ORDOVICIAN: QUEENSTON	167.2		
ORDOVICIAN: MEAFORD DUNDAS			
ORDOVICIAN: COLLINGWOOD			
ORDOVICIAN: TRENTON — COBOURG			
ORDOVICIAN: TRENTON — VERULAM			
ORDOVICIAN: TRENTON — KIRKFIELD			
ORDOVICIAN: BLACK RIVER — COBOCONK			
ORDOVICIAN: BLACK RIVER — GULL RIVER			
ORDOVICIAN: BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES 176.0	MISC 7		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
163.5- 165.5		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
178MM	29.8KG	54.0	CEMENTED	
114MM	14.1KG	176.4	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 172.5	GRNL	1.0- 172.5	CMPL

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

D UNIT EQU 0. B UNIT EQU 0. DE CEV 107.7
POOR SAMPLES QUALITY
POOR AGREEMENT BETWEEN LOG & SAMPLES

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m) 163.5- 165.5
PERFORATED YES OPEN HOLE
FORMATION(S) MANITOULIN WHIRLPOOL

DST(S) ON FILE TREATMENT

WELL SUMMARY CARDS LISTED ALPHABETICALLY BY COUNTY & TOWNSHIP

CLASS OTHER FIELD POOL STATUS STRATIGRAPHIC TEST-ABD

COUNTY MANITOULIN TOWNSHIP ROBINSON LOT 30 CON VI

WELL NAME BURNT ISLAND #5 ROBINSON 2-30-VI PERMIT NO. 5742

OPERATOR WAML,W.G. LTD

DRILLING CO CANADIAN LONGYEAR

GEOLOGY BY PETROLEUM RESOURCE

GEOLOGICAL CONTACTS	TOP m	ELEV m	THICK m
SAMPLES START AT	+0		
LAKE / GROUND LEVEL		211.4	
DRIFT / LAKE BOTTOM	0.		
DEVONIAN — PRT LAMBTON	0.		
DEVONIAN — HAMILTON — KETTLE POINT	0.		
DEVONIAN — HAMILTON — MARCELLUS	0.		
DEVONIAN — DUNDEE	0.		
DEVONIAN — DETROIT RIVER — LUCAS	0.		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	0.		
DEVONIAN — BOIS BLANC	0.		
SILURIAN — BASS ISLANDS	0.		
SILURIAN — G UNIT SHALE	0.		
SILURIAN — F UNIT SHALE	0.		
SILURIAN — E UNIT CARB	0.		
SILURIAN — D UNIT SALT	0.		
SILURIAN — C UNIT SHALE	0.		
SILURIAN — C UNIT MARKER	0.		
SILURIAN — B UNIT SALT	0.		
SILURIAN — B UNIT ANHY	0.		
SILURIAN — B UNIT CARB	0.		
SILURIAN — A-2 UNIT SALT	0.		
SILURIAN — A-2 UNIT ANHY	0.		
SILURIAN — A-1 UNIT CARB	0.		
SILURIAN — A-1 UNIT EVAP	0.		
SILURIAN — GUELPH	0.		
SILURIAN — ERAMOSA	0.		
SILURIAN — AMABEL — GOAT ISLAND	+0		
SILURIAN — AMABEL — GASPORT			
SILURIAN — AMABEL — ROCHESTER	0.		
SILURIAN — AMABEL — IRONDEQUOIT			
SILURIAN — REYNALES			
SILURIAN — THOROLD			
SILURIAN — CATARACT — GRIMSBY			
SILURIAN — CATARACT — CABOT HEAD			
SILURIAN — CATARACT — MANITOULIN			
SILURIAN — CATARACT — WHIRLPOOL			
ORDOVICIAN — QUEENSTON			
ORDOVICIAN — MEAFORD DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			

TOTAL DEPTH SAMPLES 25.0 MQC 7

TOTAL DEPTH 29.3M PBTD

RIG TYPE ROT ELEV 211.4M± Q. M

CO ORDINATES 138.7M N; 193.5M W

LATITUDE 45-49-56 N

LONGITUDE 82-54-22 W SEQ 1

CONFIDENTIAL 1982 08 25

SPUDDED 1981 08 25

COMPLETED 1981 08 25

ABANDONED 1981 08 25

SPL TRAY No 7279 INDEX No 82

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
89MM		1.5	CASING SHOE	1.5

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION	STORED			*ANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
1.0- 29.3				

REMARKS

D UNIT EQU Q. B UNIT EQU Q. FOSSIL NIL 25.5

GOAT ISLAND EQUALS WIARTON

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATION(S) OPEN HOLE

DST(S) ON FILE TREATMENT

CLASS OTHER FIELD POOL STATUS STRATIGRAPHIC TEST-ABD

COUNTY MANITOULIN TOWNSHIP ROBINSON LOT 32 CON V

WELL NAME BURNT ISLAND #3 ROBINSON 2-32-V PERMIT NO. 5744

OPERATOR WAML,W.G. LTD

DRILLING CO CANADIAN LONGYEAR

GEOLOGY BY PETROLEUM RESOURCE

GEOLOGICAL CONTACTS	TOP m	ELEV m	THICK m
SAMPLES START AT	+0		
LAKE / GROUND LEVEL		201.8	
DRIFT / LAKE BOTTOM	0.		
DEVONIAN — PRT LAMBTON	0.		
DEVONIAN — HAMILTON — KETTLE POINT	0.		
DEVONIAN — HAMILTON — MARCELLUS	0.		
DEVONIAN — DUNDEE	0.		
DEVONIAN — DETROIT RIVER — LUCAS	0.		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	0.		
DEVONIAN — BOIS BLANC	0.		
SILURIAN — BASS ISLANDS	0.		
SILURIAN — G UNIT SHALE	0.		
SILURIAN — F UNIT SHALE	0.		
SILURIAN — E UNIT CARB	0.		
SILURIAN — D UNIT SALT	0.		
SILURIAN — C UNIT SHALE	0.		
SILURIAN — C UNIT MARKER	0.		
SILURIAN — B UNIT SALT	0.		
SILURIAN — B UNIT ANHY	0.		
SILURIAN — B UNIT CARB	0.		
SILURIAN — A-2 UNIT SALT	0.		
SILURIAN — A-2 UNIT ANHY	0.		
SILURIAN — A-1 UNIT CARB	0.		
SILURIAN — A-1 UNIT EVAP	0.		
SILURIAN — GUELPH	0.		
SILURIAN — ERAMOSA	0.		
SILURIAN — AMABEL — GOAT ISLAND	+4.3		
SILURIAN — AMABEL — GASPORT			
SILURIAN — AMABEL — ROCHESTER	0.		
SILURIAN — AMABEL — IRONDEQUOIT			
SILURIAN — REYNALES			
SILURIAN — THOROLD			
SILURIAN — CATARACT — GRIMSBY			
SILURIAN — CATARACT — CABOT HEAD			
SILURIAN — CATARACT — MANITOULIN			
SILURIAN — CATARACT — WHIRLPOOL			
ORDOVICIAN — QUEENSTON			
ORDOVICIAN — MEAFORD DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			

TOTAL DEPTH SAMPLES 35.0 MQC 7

TOTAL DEPTH 38.4M PBTD

RIG TYPE ROT ELEV 201.8M± Q. M

CO ORDINATES 716.3M S; 167.6M E

LATITUDE 45-49-28 N

LONGITUDE 82-55-02 W SEQ 1

CONFIDENTIAL 1982 08 26

SPUDDED 1981 08 26

COMPLETED 1981 08 26

ABANDONED 1981 08 26

SPL TRAY No 7279 INDEX No 81

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
89MM		4.6	CASING SHOE	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION	STORED			*ANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
4.4- 38.4				

REMARKS

B UNIT EQU Q. D UNIT EQU Q. FOSSIL NIL 35.5

GOAT ISLAND EQUALS WIARTON

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATION(S) OPEN HOLE

DST(S) ON FILE TREATMENT

CLASS OTHER FIELD/POOL STATUS STRATIGRAPHIC TEST-ABD

COUNTY MANITOULIN TOWNSHIP ROBINSON LOT 35 CON IV

WELL NAME BURNT ISLAND #1 ROBINSON 1-35-IV PERMIT NO. 5739

OPERATOR WAML,W.G. LTD

DRILLING CO CANADIAN LONGYEAR

GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH	45.7M PBTD
RIG TYPE	ROT ELEV 185.7M± O. M
CO-ORDINATES	135.6M N; 157.0M E
LATITUDE	45-49-12 N
LONGITUDE	83-00-00 W SEQ 1
CONFIDENTIAL	1982 08 20
SPUDDED	1981 08 19
COMPLETED	1981 08 20
ABANDONED	1981 08 22
SPL TRAY No	7279 INDEX No 80

GEOLOGICAL CONTACTS

			TOP m	ELEV m	THICK m
SAMPLES START AT			1.0		
LAKE / GROUND LEVEL				185.7	
DRIFT / LAKE BOTTOM			0.		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	0.		
		MARCELLUS	0.		
		DUNDEE	0.		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	0.		
		BOIS BLANC	0.		
		BASS ISLANDS	0.		
SILURIAN		G UNIT SHALE	0.		
		F UNIT SHALE	0.		
		E UNIT CARB	0.		
		D UNIT SALT	0.		
		C UNIT SHALE	0.		
		MARKER	0.		
		B UNIT SALT	0.		
		ANHY	0.		
		CARB	0.		
		A-2 UNIT SALT	0.		
		ANHY	0.		
		CARB	0.		
		A-1 UNIT EVAP	0.		
		GUELPH	0.		
		ERAMOSA	0.		
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER	0.		
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES			26.9	MOC	7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
89MM		.2	CASING SHOE	.2

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
1.0- 45.7				

REMARKS

D UNIT EQU O. B UNIT EQU O. FOSSIL MIL 26.5

GOAT ISLAND EQUALS WIARTON

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

DST (S) ON FILE TREATMENT

CLASS OTHER FIELD POOL STATUS STRATIGRAPHIC TEST-ABD

COUNTY MANITOULIN TOWNSHIP ROBINSON LOT 35 CON V

WELL NAME BURNT ISLAND #2 ROBINSON 1-35-V PERMIT NO. 5745

OPERATOR WAML,W.G. LTD

DRILLING CO CANADIAN LONGYEAR

GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH	30.5M PBTD
RIG TYPE	ROT ELEV 194.5M± O. M
CO-ORDINATES	111.3M S; 190.5M W
LATITUDE	42-49-46 N
LONGITUDE	82-59-58 W SEQ 1
CONFIDENTIAL	1982 08 22
SPUDDED	1981 08 21
COMPLETED	1981 08 22
ABANDONED	1981 08 22
SPL TRAY No	7279 INDEX No 79

GEOLOGICAL CONTACTS

			TOP m	ELEV m	THICK m
SAMPLES START AT			1.0		
LAKE / GROUND LEVEL				194.5	
DRIFT / LAKE BOTTOM			0.		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	0.		
		MARCELLUS	0.		
		DUNDEE	0.		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	0.		
		BOIS BLANC	0.		
		BASS ISLANDS	0.		
SILURIAN		G UNIT SHALE	0.		
		F UNIT SHALE	0.		
		E UNIT CARB	0.		
		D UNIT SALT	0.		
		C UNIT SHALE	0.		
		MARKER	0.		
		B UNIT SALT	0.		
		ANHY	0.		
		CARB	0.		
		A-2 UNIT SALT	0.		
		ANHY	0.		
		CARB	0.		
		A-1 UNIT EVAP	0.		
		GUELPH	0.		
		ERAMOSA	0.		
	AMABEL	GOAT ISLAND	.9		
		GASPORT			
		ROCHESTER	0.		
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES			26.9	MOC	7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
89MM		3.9	CASING SHOE	3.9

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
1.0- 30.5				

REMARKS

D UNIT EQU O. B UNIT EQU O. FOSSIL MIL 25.9

GOAT ISLAND EQUALS WIARTON

FINAL RESULTS

OIL NIL

GAS NIL

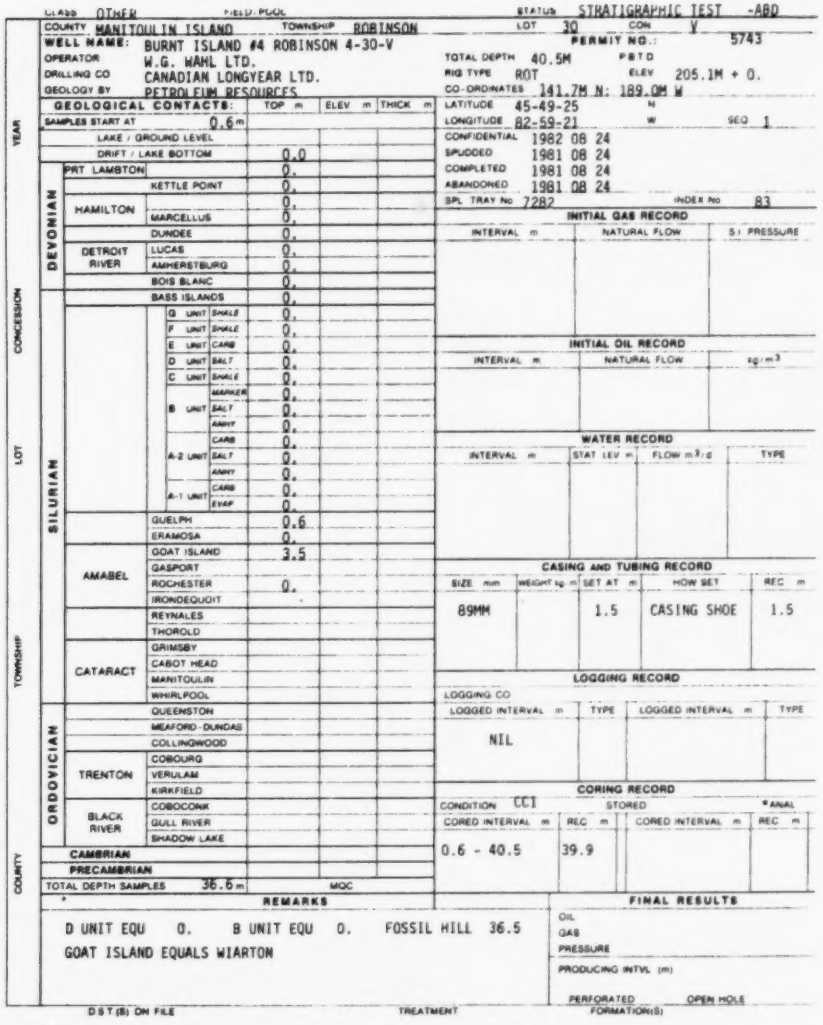
PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

DST (S) ON FILE TREATMENT



CLASS OTHER FIELD/POOL STATUS STRATIGRAPHIC TEST -ABD

COUNTY MANITOULIN ISLAND TOWNSHIP ROBINSON LOT 30 CON V

WELL NAME: BURNT ISLAND #4 ROBINSON 4-30-V PERMIT NO.: 5743

OPERATOR W.G. WAHL LTD.

DRILLING CO CANADIAN LONGYEAR LTD.

GEOLOGY BY PETROLEUM RESOURCES

TOTAL DEPTH 40.5M PBTD

RIG TYPE ROT ELEV 205.1M + 0.

CO-ORDINATES 141.7M N; 189.0M W

LATITUDE 45-49-25 N

LONGITUDE 82-59-21 W SEQ 1

CONFIDENTIAL 1982 08 24

SPUDDED 1981 08 24

COMPLETED 1981 08 24

ABANDONED 1981 08 24

SPL TRAY No 7282 INDEX No 83

GEOLOGICAL CONTACTS:

			TOP m	ELEV m	THICK m
SAMPLES START AT 0.6m					
LAKE / GROUND LEVEL					
DRIFT / LAKE BOTTOM			0.0		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	0.		
		MARCELLUS	0.		
		DUNDEE	0.		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	0.		
		BOIS BLANC	0.		
		BASS ISLANDS	0.		
SILURIAN		G UNIT SHALE	0.		
		F UNIT SHALE	0.		
		E UNIT CARB	0.		
		D UNIT SALT	0.		
		C UNIT SHALE	0.		
		MARKER	0.		
		B UNIT SALT	0.		
		ANHY	0.		
		CARB	0.		
		A-2 UNIT SALT	0.		
		ANHY	0.		
		CARB	0.		
		A-1 UNIT EVAP	0.		
		GUELPH	0.6		
		ERAMOSA	0.		
	AMABEL	GOAT ISLAND	3.5		
		GASPORT			
		ROCHESTER	0.		
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 36.6m MOC

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
89MM		1.5	CASING SHOE	1.5

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION CCI STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
0.6 - 40.5	39.9		

REMARKS

D UNIT EQU 0. B UNIT EQU 0. FOSSIL HILL 36.5

GOAT ISLAND EQUALS WIARTON

FINAL RESULTS

OIL

GAS

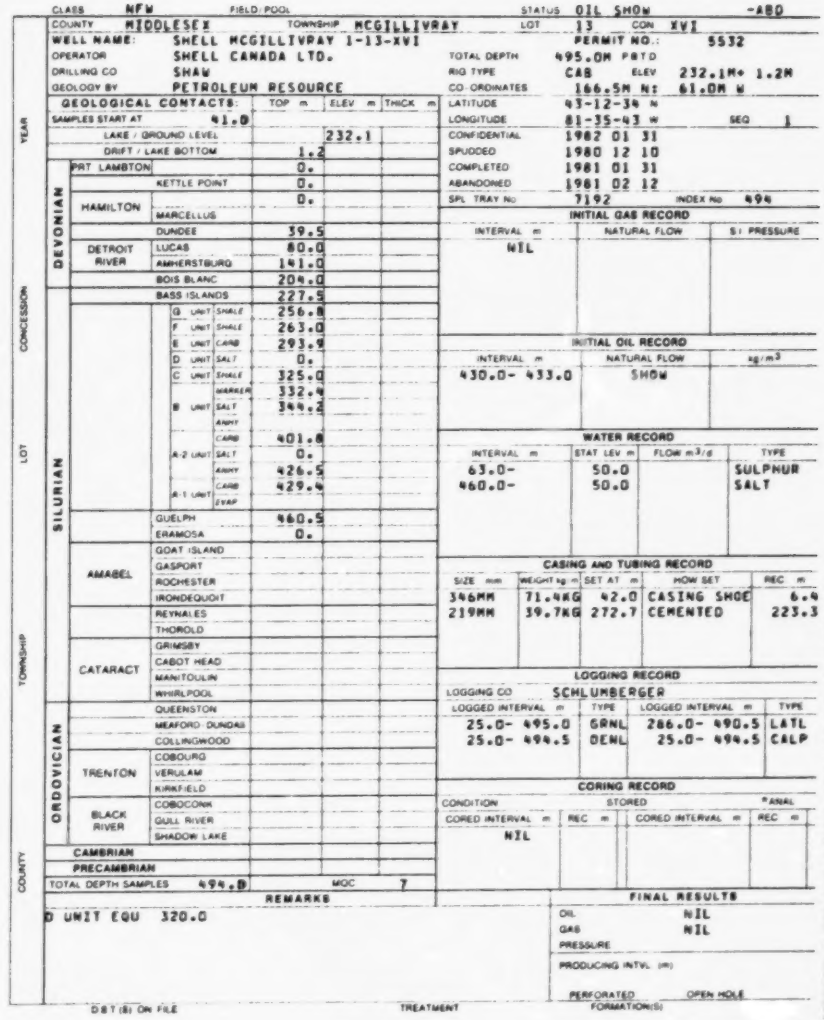
PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

DST(S) ON FILE TREATMENT



CLASS NFW FIELD/POOL STATUS OIL SHOW -ABD

COUNTY MIDDLESEX TOWNSHIP MCGILLIVRAY LOT 13 CON XVI

WELL NAME: SHELL MCGILLIVRAY 1-13-XVI PERMIT NO.: 5532

OPERATOR SHELL CANADA LTD.

DRILLING CO SHAW

GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 495.0M PBTD

RIG TYPE CAB ELEV 232.1M+ 1.2M

CO-ORDINATES 166.5M N; 61.0M W

LATITUDE 43-12-34 N

LONGITUDE 81-35-43 W SEQ 1

CONFIDENTIAL 1982 01 31

SPUDDED 1980 12 10

COMPLETED 1981 01 31

ABANDONED 1981 02 12

SPL TRAY No 7192 INDEX No 496

GEOLOGICAL CONTACTS:

			TOP m	ELEV m	THICK m
SAMPLES START AT 41.0					
LAKE / GROUND LEVEL				232.1	
DRIFT / LAKE BOTTOM			1.2		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	0.		
		MARCELLUS	0.		
		DUNDEE	39.5		
	DETROIT RIVER	LUCAS	80.0		
		AMHERSTBURG	141.0		
		BOIS BLANC	204.0		
		BASS ISLANDS	227.5		
SILURIAN		G UNIT SHALE	256.8		
		F UNIT SHALE	263.0		
		E UNIT CARB	293.9		
		D UNIT SALT	0.		
		C UNIT SHALE	325.0		
		MARKER	332.4		
		B UNIT SALT	349.2		
		ANHY			
		CARB	401.8		
		A-2 UNIT SALT	0.		
		ANHY	426.5		
		CARB	429.4		
		A-1 UNIT EVAP			
		GUELPH	460.5		
		ERAMOSA	0.		
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER			
		IRONDEQUOIT			
		REYNALES			
		THOROLD			
	CATARACT	GRIMSBY			
		CABOT HEAD			
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 494.0 MOC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
430.0- 433.0	SHOW	

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
63.0-	50.0		SULPHUR
460.0-	50.0		SALT

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
346MM	71.4KG	42.0	CASING SHOE	6.4
219MM	39.7KG	272.7	CEMENTED	223.3

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
25.0- 495.0	GRNL	286.0- 490.5	LATL
25.0- 494.5	DENL	25.0- 494.5	CALP

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 320.0

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS GAS PRODUCER

COUNTY NORFOLK TOWNSHIP CHARLOTTEVILLE LOT 4 CON X

WELL NAME: CHATHAM #1 CHARLOTTEVILLE 7-4-X

OPERATOR CHATHAM,W.T.

DRILLING CO MITCHELL, ELGIN

GEOLOGY BY PETROLEUM RESOURCE

PERMIT NO.: 5535

TOTAL DEPTH 396.2M PBTD 354.7M

RIG TYPE ROT ELEV 218.5M+ .8M

CO-ORDINATES 174.1M N: 123.4M E

LATITUDE 42-47-05 N

LONGITUDE 80-28-59 W SEQ 1

CONFIDENTIAL 1981 02 06

SPUDDED 1980 12 15

COMPLETED 1981 01 06

ABANDONED

SPL TRAY No 5449 INDEX No 923

GEOLOGICAL CONTACTS:	TOP m	ELEV m	THICK m
SAMPLES START AT 53.0			
LAKE / GROUND LEVEL		218.5	
DRIFT / LAKE BOTTOM	.8		
DEVONIAN / PRT LAMBTON			
DEVONIAN / KETTLE POINT			
DEVONIAN / HAMILTON / MARCELLUS			
DEVONIAN / HAMILTON / DUNDEE	52.0		
DEVONIAN / DETROIT RIVER / LUCAS			
DEVONIAN / DETROIT RIVER / AMHERSTBURG	88.0		
DEVONIAN / DETROIT RIVER / BOIS BLANC	104.0		
DEVONIAN / DETROIT RIVER / BASS ISLANDS	137.3		
SILURIAN / G UNIT SHALE	153.0		
SILURIAN / F UNIT SHALE	159.8		
SILURIAN / E UNIT CARB	185.1		
SILURIAN / D UNIT SALT	0.		
SILURIAN / C UNIT SHALE	221.5		
SILURIAN / C UNIT MARKER	229.3		
SILURIAN / B UNIT SALT	0.		
SILURIAN / B UNIT ANHY	0.		
SILURIAN / B UNIT CARB	244.0		
SILURIAN / A-2 UNIT SALT	0.		
SILURIAN / A-2 UNIT ANHY	0.		
SILURIAN / A-1 UNIT CARB	258.2		
SILURIAN / A-1 UNIT EVAP	0.		
SILURIAN / GUELPH	262.3		
SILURIAN / ERAMOSA	0.		
ORDOVICIAN / AMABEL / GOAT ISLAND			
ORDOVICIAN / AMABEL / GASPORT			
ORDOVICIAN / AMABEL / ROCHESTER	327.6		
ORDOVICIAN / AMABEL / IRONDEQUOIT	0.		
ORDOVICIAN / CATARACT / REYNALES	346.2		
ORDOVICIAN / CATARACT / THOROLD	349.0		
ORDOVICIAN / CATARACT / GRIMSBY	353.3		
ORDOVICIAN / CATARACT / CABOT HEAD	361.5		
ORDOVICIAN / CATARACT / MANITOULIN	380.0		
ORDOVICIAN / CATARACT / WHIRLPOOL	382.5		
ORDOVICIAN / TRENTON / QUEENSTON	383.6		
ORDOVICIAN / TRENTON / MEAFORD-DUNDAS			
ORDOVICIAN / TRENTON / COLLINGWOOD			
ORDOVICIAN / TRENTON / COBOURG			
ORDOVICIAN / TRENTON / VERULAM			
ORDOVICIAN / TRENTON / KIRKFIELD			
ORDOVICIAN / BLACK RIVER / COBOCONK			
ORDOVICIAN / BLACK RIVER / GULL RIVER			
ORDOVICIAN / BLACK RIVER / SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES 396.2	MQC 7		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
351.6- 352.6	88 M3/D	2620 KPA
352.6- 353.6	192 M3/D	
353.6- 354.2	24 M3/D	
354.2- 354.8	10 M3/D	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
59.5-			FRESH

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
178MM	34.2KG	68.0	CEMENTED	
114MM	17.3KG	349.3	BOTTOM PAC	

LOGGING RECORD

LOGGING CO GREAT GUNS

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 396.2	GRNL	348.3- 395.6	DIPM

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

DYER BAY 0. FOSSIL HIL 0. DE CEW 0.
D UNIT EQU 216.4 B UNIT EQU 235.0

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE YES
FORMATION(S)

DST(S) ON FILE TREATMENT FOAM

CLASS DEVEL FIELD/POOL STATUS DRY HOLE -ABD

COUNTY NORFOLK TOWNSHIP CHARLOTTEVILLE LOT 4 CON X

WELL NAME: CHATHAM #4 CHARLOTTEVILLE 5-4-X

OPERATOR CHATHAM,W.T.

DRILLING CO MITCHELL, ELGIN

GEOLOGY BY PETROLEUM RESOURCE

PERMIT NO.: 5558

TOTAL DEPTH 387.9M PBTD

RIG TYPE CAB ELEV 220.6M+ .6M

CO-ORDINATES 548.7M N: 358.5M E

LATITUDE 42-47-20 N

LONGITUDE 80-28-53 W SEQ 1

CONFIDENTIAL 1981 04 06

SPUDDED 1981 02 13

COMPLETED 1981 03 06

ABANDONED 1981 03 13

SPL TRAY No 2393 INDEX No 925

GEOLOGICAL CONTACTS:	TOP m	ELEV m	THICK m
SAMPLES START AT 52.8			
LAKE / GROUND LEVEL		220.6	
DRIFT / LAKE BOTTOM	.6		
DEVONIAN / PRT LAMBTON	0.		
DEVONIAN / KETTLE POINT	0.		
DEVONIAN / HAMILTON / MARCELLUS	0.		
DEVONIAN / HAMILTON / DUNDEE	52.7		
DEVONIAN / DETROIT RIVER / LUCAS	0.		
DEVONIAN / DETROIT RIVER / AMHERSTBURG	91.5		
DEVONIAN / DETROIT RIVER / BOIS BLANC	103.0		
DEVONIAN / DETROIT RIVER / BASS ISLANDS	138.0		
SILURIAN / G UNIT SHALE	151.0		
SILURIAN / F UNIT SHALE	157.6		
SILURIAN / E UNIT CARB	187.4		
SILURIAN / D UNIT SALT	0.		
SILURIAN / C UNIT SHALE	220.0		
SILURIAN / C UNIT MARKER	227.5		
SILURIAN / B UNIT SALT	0.		
SILURIAN / B UNIT ANHY	240.5		
SILURIAN / B UNIT CARB	244.6		
SILURIAN / A-2 UNIT SALT	0.		
SILURIAN / A-2 UNIT ANHY	256.8		
SILURIAN / A-1 UNIT CARB	258.0		
SILURIAN / A-1 UNIT EVAP	262.0		
SILURIAN / GUELPH	263.0		
SILURIAN / ERAMOSA	0.		
ORDOVICIAN / AMABEL / GOAT ISLAND			
ORDOVICIAN / AMABEL / GASPORT			
ORDOVICIAN / AMABEL / ROCHESTER	329.3		
ORDOVICIAN / AMABEL / IRONDEQUOIT	346.6		
ORDOVICIAN / CATARACT / REYNALES			
ORDOVICIAN / CATARACT / THOROLD	349.0		
ORDOVICIAN / CATARACT / GRIMSBY	351.0		
ORDOVICIAN / CATARACT / CABOT HEAD	362.0		
ORDOVICIAN / CATARACT / MANITOULIN	380.5		
ORDOVICIAN / CATARACT / WHIRLPOOL	381.9		
ORDOVICIAN / TRENTON / QUEENSTON	383.7		
ORDOVICIAN / TRENTON / MEAFORD-DUNDAS			
ORDOVICIAN / TRENTON / COLLINGWOOD			
ORDOVICIAN / TRENTON / COBOURG			
ORDOVICIAN / TRENTON / VERULAM			
ORDOVICIAN / TRENTON / KIRKFIELD			
ORDOVICIAN / BLACK RIVER / COBOCONK			
ORDOVICIAN / BLACK RIVER / GULL RIVER			
ORDOVICIAN / BLACK RIVER / SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES 387.9	MQC 7		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
266.7- 269.7			

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	25.3KG	62.2	CEMENTED	1.0
114MM	14.1KG	348.7	BOTTOM PAC	304.8

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 387.9	GRNL		

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

FOSSIL HIL 0. D UNIT EQU 214.5 B UNIT EQU 232.5

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT

WELL SUMMARY CARDS LISTED ALPHABETICALLY BY COUNTY & TOWNSHIP

CLASS DEVEL FIELD/POOL STATUS GAS PRODUCER

COUNTY NORFOLK TOWNSHIP CHARLOTTEVILLE LOT 5 CON III

WELL NAME: METALORE #61A CHARLOTTEVILLE 6-5-III PERMIT NO: 5524

OPERATOR METALORE RESOURCES

DRILLING CO MURRAY ROSE DRILLING

GEOLOGY BY PETROLEUM RESOURCES

TOTAL DEPTH 395.0M PBTD

RIG TYPE CAB ELEV 221.3M+ 1.0M

CO-ORDINATES 604.1M N; 107.3M E

LATITUDE 42-42-53 N

LONGITUDE 80-25-05 W SEQ 2

CONFIDENTIAL 1981 12 21

SPUDDED 1981 10 13

COMPLETED 1981 11 21

ABANDONED

SPL TRAY No 4149 INDEX No 962

GEOLOGICAL CONTACTS:	TOP m	ELEV m	THICK m
SAMPLES START AT 79.0			
LAKE / GROUND LEVEL			
DRIFT / LAKE BOTTOM	1.0		
DEVONIAN — PRT LAMBTON			
DEVONIAN — KETTLE POINT			
DEVONIAN — HAMILTON — MARCELLUS			
DEVONIAN — DUNDEE			
DEVONIAN — DETROIT RIVER — LUCAS	79.6		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	115.0		
DEVONIAN — DETROIT RIVER — BOIS BLANC	135.9		
SILURIAN — BASS ISLANDS	160.6		
SILURIAN — G UNIT SHALE	185.9		
SILURIAN — F UNIT SHALE	192.3		
SILURIAN — E UNIT CARB	222.7		
SILURIAN — D UNIT SALT	0.		
SILURIAN — C UNIT SHALE	253.3		
SILURIAN — C UNIT MARKER			
SILURIAN — B UNIT SALT	0.		
SILURIAN — B UNIT ANHY			
SILURIAN — A-2 UNIT CARB	273.1		
SILURIAN — A-2 UNIT SALT	0.		
SILURIAN — A-2 UNIT ANHY			
SILURIAN — A-1 UNIT CARB EVAP	290.2		
SILURIAN — GUELPH	301.1		
SILURIAN — ERAMOSA			
ORDOVICIAN — AMABEL — GOAT ISLAND			
ORDOVICIAN — AMABEL — GASPORT			
ORDOVICIAN — AMABEL — ROCHESTER			
ORDOVICIAN — AMABEL — IRONDEQUOIT			
ORDOVICIAN — REYNALES			
ORDOVICIAN — THOROLD			
ORDOVICIAN — CATARACT — GRIMSBY			
ORDOVICIAN — CATARACT — CABOT HEAD			
ORDOVICIAN — CATARACT — MANITOULIN			
ORDOVICIAN — CATARACT — WHIRLPOOL			
ORDOVICIAN — QUEENSTON			
ORDOVICIAN — MEAFORD-DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES 355.4 m	MDC 7		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
388.0 - 389.0	283 M3/D	
389 0 - 390.0	311 M3/D	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
- 84.1	12.2		FRESH
- 150.3	9.1		SULPHUR
- 300.2	8.2		SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	62.6KG	79.7	CASING SHOE	79.7
219MM	35.7KG	85.6	CASING SHOE	
140MM	25.3KG	385.6	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

ORISKANY AT BASE OF BOIS BLANC
NO LOGS

FINAL RESULTS

OIL
GAS
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS GAS PRODUCER

COUNTY NORFOLK TOWNSHIP CHARLOTTEVILLE LOT 8 CON I

WELL NAME: METALORE #63 CHARLOTTEVILLE 3-8-I PERMIT NO.: 5539

OPERATOR METALORE

DRILLING CO MURRAY ROSE

GEOLOGY BY PETROLEUM RESOURCES

TOTAL DEPTH 394.0M PBTD

RIG TYPE CAR ELEV 219.5M+ 1.6M

CO-ORDINATES 489.8M S; 149.8M E

LATITUDE 42-42-15 N

LONGITUDE 80-23-00 W SEQ 1

CONFIDENTIAL 1981 10 29

SPUDDED 1981 08 31

COMPLETED 1981 09 29

ABANDONED

SPL TRAY No 5167 INDEX No 959

GEOLOGICAL CONTACTS:	TOP m	ELEV m	THICK m
SAMPLES START AT m			
LAKE / GROUND LEVEL			
DRIFT / LAKE BOTTOM	1.6		
DEVONIAN — PRT LAMBTON	0.		
DEVONIAN — KETTLE POINT	0.		
DEVONIAN — HAMILTON — MARCELLUS	0.		
DEVONIAN — DUNDEE	86.0		
DEVONIAN — DETROIT RIVER — LUCAS	0.		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	123.1		
DEVONIAN — DETROIT RIVER — BOIS BLANC	138.0		
SILURIAN — BASS ISLANDS	168.9		
SILURIAN — G UNIT SHALE	185.9		
SILURIAN — F UNIT SHALE	191.0		
SILURIAN — E UNIT CARB	215.2		
SILURIAN — D UNIT SALT	0.		
SILURIAN — C UNIT SHALE	251.5		
SILURIAN — C UNIT MARKER	261.5		
SILURIAN — B UNIT SALT	0.		
SILURIAN — B UNIT ANHY	0.		
SILURIAN — A-2 UNIT CARB	275.0		
SILURIAN — A-2 UNIT SALT	0.		
SILURIAN — A-2 UNIT ANHY	0.		
SILURIAN — A-1 UNIT CARB EVAP	290.2		
SILURIAN — GUELPH	295.0		
SILURIAN — ERAMOSA	310.3		
ORDOVICIAN — AMABEL — GOAT ISLAND	320.0		
ORDOVICIAN — AMABEL — GASPORT	343.0		
ORDOVICIAN — AMABEL — ROCHESTER	363.0		
ORDOVICIAN — AMABEL — IRONDEQUOIT	381.0		
ORDOVICIAN — REYNALES	382.8		
ORDOVICIAN — THOROLD	383.7		
ORDOVICIAN — CATARACT — GRIMSBY	386.7		
ORDOVICIAN — CATARACT — CABOT HEAD	393.2		
ORDOVICIAN — CATARACT — MANITOULIN			
ORDOVICIAN — CATARACT — WHIRLPOOL			
ORDOVICIAN — QUEENSTON			
ORDOVICIAN — MEAFORD-DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES m	MDC 7		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
	35 M3/D	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
NIL			

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
NIL				

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

D UNIT EQU 247.0 B UNIT EQU 267.0 DECEW 360.0
SPRINGVALE AT BASE OF BOIS BLANC
LEAD-ZINC MINERALIZATION NOTED

FINAL RESULTS

OIL
GAS
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE
FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS GAS PRODUCER

COUNTY NORFOLK TOWNSHIP CHARLOTTEVILLE LOT 9 CON X

WELL NAME: CHATHAM 89 CHARLOTTEVILLE 5-9-X PERMIT NO.: 5774

OPERATOR CHATHAM,W.T. TOTAL DEPTH 393.0M PBTD 360.0M

DRILLING CO MITCHELL, ELGIN RIG TYPE ROT ELEV 234.4M+ .9M

GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES 351.2M N; 203.0M W

LATITUDE 42-48-04 N

LONGITUDE 80-26-49 W REQ 1

CONFIDENTIAL 1982 01 01

SPUDDED 1981 11 16

COMPLETED 1981 12 01

ABANDONED

SPL TRAY No 4173 INDEX No 961

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 67.0					
LAKE / GROUND LEVEL				234.4	
DRIFT / LAKE BOTTOM			.9		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	0.		
		MARCELLUS	0.		
		DUNDEE	65.8		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	79.5		
		BOIS BLANC	113.2		
		BASS ISLANDS	134.2		
SILURIAN		G UNIT SHALE	152.4		
		F UNIT SHALE	159.3		
		E UNIT CARB	184.7		
		D UNIT SALT	0.		
		C UNIT SHALE	222.0		
		MARKER	229.0		
		B UNIT SALT	0.		
		ANHY	242.8		
		CARB	245.9		
		A-2 UNIT SALT	0.		
		ANHY	257.7		
		CARB	258.5		
		A-1 UNIT EVAP	0.		
	GUELPH		262.4		
	ERAMOSA		0.		
	AMABEL	GOAT ISLAND	289.6		
		GASPORT	314.5		
		ROCHESTER	337.4		
		IRONDEQUOIT	0.		
		REYNALES	348.8		
		THOROLD	352.3		
	CATARACT	GRIMSBY	355.0		
		CABOT HEAD	359.3		
		MANITOULIN	383.2		
		WHIRLPOOL	385.0		
ORDOVICIAN		QUEENSTON	386.0		
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 393.2			MOC 7		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
353.2- 353.8	SHOW	758 KPA
353.8- 355.4		
355.4- 356.3		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	sg m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
219MM	41.7KG	74.6	CEMENTED	
114MM	14.1KG	352.7	BOTTOM PAC	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 393.0	GRNL	350.0- 393.0	DENL

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 216.5 B UNIT EQU 234.1 DE CEW 330.4

SPUDDED WITH CAB, COMPLETED WITH ROT

FINAL RESULTS

OIL NIL

GAS 18 M3/D

PRESSURE

PRODUCING INTVL (m) 353.2- 356.3

PERFORATED FORMATION(S) GRIMSBY

OPEN HOLE YES

DST(S) ON FILE

TREATMENT FOAM

CLASS DEVEL FIELD/POOL STATUS GAS PRODUCER

COUNTY NORFOLK TOWNSHIP CHARLOTTEVILLE LOT 11 CON V

WELL NAME: METALORE #58 CHARLOTTEVILLE 7-11-V PERMIT NO.: 5047

OPERATOR METALORE TOTAL DEPTH 397.0M PBTD 368.0M

DRILLING CO MITCHELL, ELGIN RIG TYPE ROT ELEV 223.0M+ 1.0M

GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES 193.0M N; 191.0M E

LATITUDE 42-45-00 N

LONGITUDE 80-23-33 W REQ 1

CONFIDENTIAL 1981 02 19

SPUDDED 1979 09 13

COMPLETED 1981 01 19

ABANDONED

SPL TRAY No 5248 INDEX No 963

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 61.0					
LAKE GROUND LEVEL				223.0	
DRIFT LAKE BOTTOM			1.0		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS			
		DUNDEE			
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	97.0		
		BOIS BLANC	128.0		
		BASS ISLANDS	146.0		
SILURIAN		G UNIT SHALE			
		F UNIT SHALE	164.0		
		E UNIT CARB	201.0		
		D UNIT SALT	0.		
		C UNIT SHALE	234.0		
		MARKER			
		B UNIT SALT	0.		
		ANHY			
		CARB	253.0		
		A-2 UNIT SALT	0.		
		ANHY	266.1		
		CARB	268.4		
		A-1 UNIT EVAP	0.		
	GUELPH		271.6		
	ERAMOSA				
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER	338.1		
		IRONDEQUOIT			
		REYNALES	357.5		
		THOROLD	358.4		
	CATARACT	GRIMSBY	360.3		
		CABOT HEAD	367.7		
		MANITOULIN	390.9		
		WHIRLPOOL	393.7		
ORDOVICIAN		QUEENSTON	394.9		
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 395.0			MOC 6		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
366.4- 367.6	108 M3/D	3516 KPA
394.4-	28 M3/D	
279.8-	SHOW	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	sg m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
62.5-			FRESH
97.5-			SULPHUR
283.5-			SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
219MM	25.3KG	67.1	CEMENTED	

LOGGING RECORD

LOGGING CO GREAT GUNS

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
329.2- 397.5	GRNL	228.6- 397.5	DENL

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

POOR AGREEMENT BETWEEN LOG & SAMPLES
CRITICAL MISSING SAMPLES
UPPER PICKS INTERPRETIVE, NO LOGS OR SAMPLES
LOGS INCOMPLETE

FINAL RESULTS

OIL NIL

GAS 2549 M3/D

PRESSURE

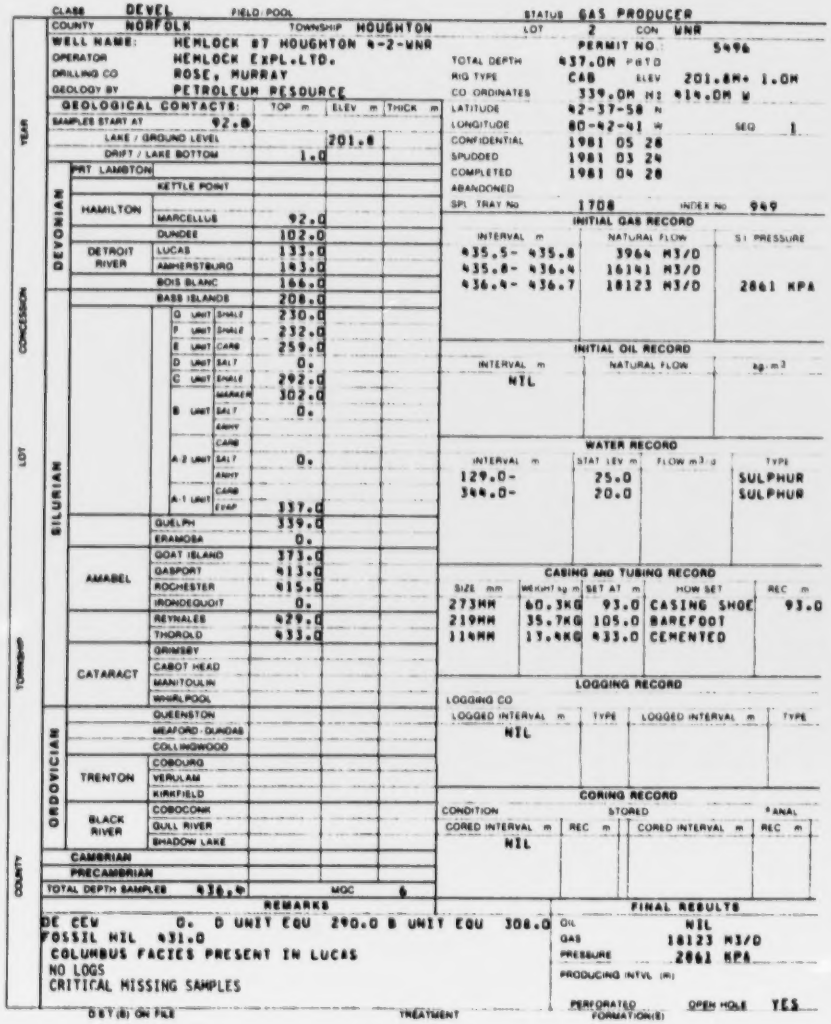
PRODUCING INTVL (m) 366.4- 367.6

PERFORATED FORMATION(S) GRIMSBY

OPEN HOLE

DST(S) ON FILE

TREATMENT CONF



CLASS DEVEL FIELD POOL STATUS GAS PRODUCER
COUNTY NORFOLK TOWNSHIP HOUGHTON LOT 2 CON WNR
WELL NAME: HEMLOCK 87 HOUGHTON 4-2-WNR PERMIT NO: 5496
OPERATOR HEMLOCK EXPL.LTD.
DRILLING CO ROSE, MURRAY
GEOLOGY BY PETROLEUM RESOURCE

GEOLOGICAL CONTACTS:		TOP m	ELEV m	THICK m
SAMPLES START AT 92.0				
LAKE / GROUND LEVEL			201.6	
DRIFT / LAKE BOTTOM		1.0		
DEVONIAN	PRT LAMBTON			
	KETTLE POINT			
	HAMILTON			
	MARCELLUS	92.0		
	DUNDEE	102.0		
	DETROIT RIVER LUCAS	133.0		
	AMHERSTBURG	143.0		
	BOIS BLANC	166.0		
	BASS ISLANDS	208.0		
SILURIAN	Q UNIT SHALE	230.0		
	P UNIT SHALE	232.0		
	E UNIT CARB	259.0		
	D UNIT SALT	0.		
	C UNIT SHALE	292.0		
	MARKER	302.0		
	B UNIT SALT	0.		
	ANHY			
	CARB			
	A-2 UNIT SALT	0.		
	ANHY			
	CARB			
	A-1 UNIT EVAP	337.0		
	GUELPH	339.0		
	ERAMOSA	0.		
	AMABEL GOAT ISLAND	373.0		
	GASPORT	413.0		
	ROCHESTER	415.0		
	IRONDEQUOIT	0.		
	REYNALES	429.0		
	THOROLD	433.0		
	CATARACT GRIMSBY			
	CABOT HEAD			
	MANITOULIN			
	WHIRLPOOL			
ORDOVICIAN	QUEENSTON			
	MEAFORD-DUNDAS			
	COLLINGWOOD			
	TRENTON COBOURG			
	VERULAM			
	KIRKFIELD			
	BLACK RIVER COBOCONK			
	GULL RIVER			
	SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				
TOTAL DEPTH SAMPLES 436.0		MUD		

TOTAL DEPTH 437.0M PBTD
RIG TYPE CAB ELEV 201.6M+ 1.0M
CO-ORDINATES 339.0M N; 414.0M W
LATITUDE 42-37-58 N
LONGITUDE 80-42-41 W SEQ 1
CONFIDENTIAL 1981 05 28
SPUDDED 1981 03 24
COMPLETED 1981 04 28
ABANDONED
SPL TRAY No 1708 INDEX No 949

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
435.5 - 435.8	3964 M3/D	
435.8 - 436.4	16141 M3/D	
436.4 - 436.7	18123 M3/D	2861 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
129.0 -	25.0		SULPHUR
344.0 -	20.0		SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	60.3KG	93.0	CASING SHOE	93.0
219MM	35.7KG	105.0	BAREFOOT	
114MM	13.4KG	433.0	CEMENTED	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

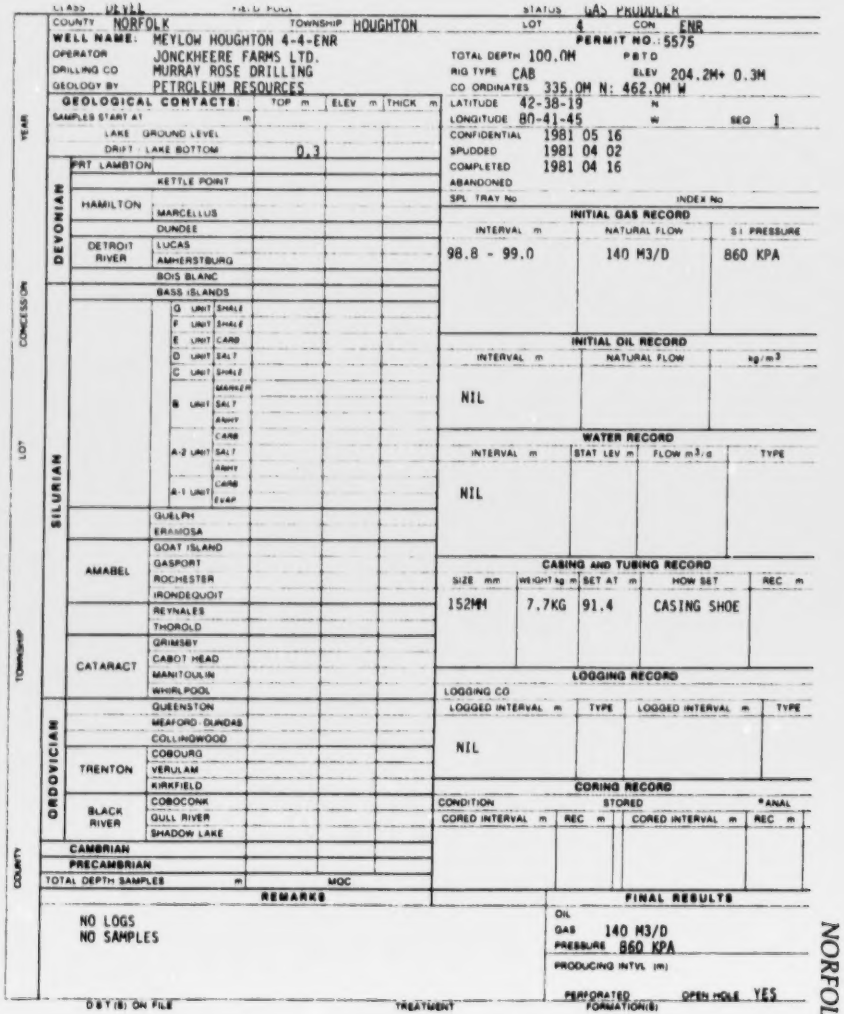
REMARKS

DE CEV 0. D UNIT EQU 290.0 B UNIT EQU 308.0
FOSSIL NIL 431.0
COLUMBUS FACIES PRESENT IN LUCAS
NO LOGS
CRITICAL MISSING SAMPLES

FINAL RESULTS

OIL NIL
GAS 18123 M3/D
PRESSURE 2861 KPA
PRODUCING INTVL (m)
PERFORATED FORMATION(S) OPEN HOLE YES

DST(S) ON FILE TREATMENT



CLASS DEVEL FIELD POOL STATUS GAS PRODUCER
COUNTY NORFOLK TOWNSHIP HOUGHTON LOT 4 CON ENR
WELL NAME: MEYLOW HOUGHTON 4-4-ENR PERMIT NO: 5575
OPERATOR JONCKHEERE FARMS LTD.
DRILLING CO MURRAY ROSE DRILLING
GEOLOGY BY PETROLEUM RESOURCES

GEOLOGICAL CONTACTS:		TOP m	ELEV m	THICK m
SAMPLES START AT m				
LAKE GROUND LEVEL				
DRIFT LAKE BOTTOM		0.3		
DEVONIAN	PRT LAMBTON			
	KETTLE POINT			
	HAMILTON			
	MARCELLUS			
	DUNDEE			
	DETROIT RIVER LUCAS			
	AMHERSTBURG			
	BOIS BLANC			
	BASS ISLANDS			
SILURIAN	Q UNIT SHALE			
	P UNIT SHALE			
	E UNIT CARB			
	D UNIT SALT			
	C UNIT SHALE			
	MARKER			
	B UNIT SALT			
	ANHY			
	CARB			
	A-2 UNIT SALT			
	ANHY			
	CARB			
	A-1 UNIT EVAP			
	GUELPH			
	ERAMOSA			
	AMABEL GOAT ISLAND			
	GASPORT			
	ROCHESTER			
	IRONDEQUOIT			
	REYNALES			
	THOROLD			
	CATARACT GRIMSBY			
	CABOT HEAD			
	MANITOULIN			
	WHIRLPOOL			
ORDOVICIAN	QUEENSTON			
	MEAFORD-DUNDAS			
	COLLINGWOOD			
	TRENTON COBOURG			
	VERULAM			
	KIRKFIELD			
	BLACK RIVER COBOCONK			
	GULL RIVER			
	SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				
TOTAL DEPTH SAMPLES m		MUD		

TOTAL DEPTH 100.0M PBTD
RIG TYPE CAB ELEV 204.2M+ 0.3M
CO-ORDINATES 335.0M N; 462.0M W
LATITUDE 42-38-19 N
LONGITUDE 80-41-45 W SEQ 1
CONFIDENTIAL 1981 05 16
SPUDDED 1981 04 02
COMPLETED 1981 04 16
ABANDONED
SPL TRAY No INDEX No

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
98.8 - 99.0	140 M3/D	860 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
NIL			

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
152MM	7.7KG	91.4	CASING SHOE	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

REMARKS

NO LOGS
NO SAMPLES

FINAL RESULTS

OIL
GAS 140 M3/D
PRESSURE 860 KPA
PRODUCING INTVL (m)
PERFORATED FORMATION(S) OPEN HOLE YES

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS GAS PRODUCER

COUNTY NORFOLK TOWNSHIP LAKE ERIE LOT 96 CON B

WELL NAME: C.W.P. ET AL LAKE ERIE 96-B PERMIT NO. 5751

OPERATOR CONSOLIDATED WEST

DRILLING CO PEMBINA DRILLIN CO

GEOLOGY BY PETROLEUM RESOURCE

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 93.0					
LAKE - GROUND LEVEL			6.3	174.7	
DRIFT - LAKE BOTTOM			10.7		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS			
		DUNDEE			
	DETROIT RIVER	LUCAS			
		AMHERSTBURG	27.0		
		BOIS BLANC	58.2		
		BASS ISLANDS	76.0		
SILURIAN		G UNIT SHALE	89.6		
		F UNIT SHALE	95.5		
		E UNIT CARB	118.3		
		D UNIT SALT	0.		
		C UNIT SHALE	154.6		
		MARKER	161.8		
		B UNIT SALT	0.		
		ANHY	175.2		
		CARB	179.2		
		A-2 UNIT SALT	0.		
		ANHY	0.		
		A-1 UNIT CARB	194.9		
		EVAP	0.		
	GUELPH		196.1		
	ERAMOSA				
	AMABEL	GOAT ISLAND	213.6		
		GASPORT	266.8		
		ROCHESTER	276.3		
		IRONDEQUOIT	289.5		
		REYNALES	0.		
		THOROLD	292.5		
	CATARACT	GRIMSBY	299.4		
		CABOT HEAD	307.0		
		MANITOULIN	328.0		
		WHIRLPOOL	330.2		
ORDOVICIAN		QUEENSTON	332.0		
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 339.0			MDC 6		

TOTAL DEPTH 355.1M PBTD RIG TYPE ROT ELEV 174.7M+ 6.3M

CO ORDINATES

LATITUDE 42-44-37 N

LONGITUDE 80-06-34 W SEQ 1

CONFIDENTIAL 1981 10 25

SPUDDED 1981 09 17

COMPLETED 1981 09 25

ABANDONED

SPL TRAY No 5470 INDEX No 678

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE
301.0- 309.0	9685 M3/D	3523 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
339MM	89.0KG	39.4	CEMENTED	
193MM	39.0KG	84.7	CEMENTED	
114MM	14.0KG	351.8	CEMENTED	
60MM	7.0KG	299.5	HANGING	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

D UNIT EQU 149.6 B UNIT EQU 167.1 DE CEW 273.0

POOR SAMPLES QUALITY

SPRINGVALF AT BASE OF BOIS BLANC

POOR AGREEMENT BETWEEN LOG & SAMPLES

CRITICAL MISSING SAMPLES

UPPER PICKS INTERPRETIVE, NO LOGS OR SAMPLES

1 DST(S) ON FILE TREATMENT ACID

FINAL RESULTS

OIL NIL

GAS 9685 M3/D

PRESSURE 3523 KPA

PRODUCING INTVL (m) 303.4- 304.2

305.0- 305.8

PERFORATED FORMATION(S) YES OPEN HOLE GRIMSBY

CLASS EXTEN FIELD/POOL STATUS GAS SHOW -ABD

COUNTY NORFOLK TOWNSHIP LAKE ERIE LOT 98 CON W

WELL NAME: PEMBINA #2 LAKE ERIE 98-W PERMIT NO. 5617

OPERATOR PEMBINA EXP CO LTD

DRILLING CO UNDERWATER GAS DEV

GEOLOGY BY PETROLEUM RESOURCE

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 115.0					
LAKE - GROUND LEVEL			6.9	174.6	
DRIFT - LAKE BOTTOM			14.5		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	0.		
		MARCELLUS	0.		
		DUNDEE	62.5		
	DETROIT RIVER	LUCAS	76.4		
		AMHERSTBURG	95.6		
		BOIS BLANC	116.1		
		BASS ISLANDS	140.0		
SILURIAN		G UNIT SHALE	160.3		
		F UNIT SHALE	167.3		
		E UNIT CARB	190.2		
		D UNIT SALT	0.		
		C UNIT SHALE	228.8		
		MARKER	236.3		
		B UNIT SALT	0.		
		ANHY	249.4		
		CARB	254.2		
		A-2 UNIT SALT	0.		
		ANHY	0.		
		A-1 UNIT CARB	264.3		
		EVAP	0.		
	GUELPH		269.3		
	ERAMOSA				
	AMABEL	GOAT ISLAND	289.6		
		GASPORT	309.0		
		ROCHESTER	341.0		
		IRONDEQUOIT	356.4		
		REYNALES	355.1		
		THOROLD	358.0		
	CATARACT	GRIMSBY	360.8		
		CABOT HEAD	375.4		
		MANITOULIN	387.9		
		WHIRLPOOL	394.5		
ORDOVICIAN		QUEENSTON	395.7		
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 411.0			MDC 7		

TOTAL DEPTH 411.0M PBTD RIG TYPE ROT ELEV 174.6M+ 6.9M

CO ORDINATES

LATITUDE 42-40-48 N

LONGITUDE 80-17-45 W SEQ 1

CONFIDENTIAL 1982 05 11

SPUDDED 1981 05 08

COMPLETED 1981 05 11

ABANDONED 1981 05 11

SPL TRAY No 6810 INDEX No 928

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I. PRESSURE
278.0-	SHOW	
358.0- 369.0	382 M3/D	4500 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
270.0-			SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	47.6KG	97.1	CEMENTED	14.5

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
30.0- 412.0	GRNL	30.0- 412.0	DENL
30.0- 412.0	CALP	111.6- 412.0	IES

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

D UNIT EQU 223.1 B UNIT EQU 241.4 DE CEW 332.4

DST(S) ON FILE TREATMENT

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATION(S) OPEN HOLE

CLASS DEVEL FIELD POOL STATUS GAS PRODUCER

COUNTY NORFOLK TOWNSHIP LAKE ERIE LOT 62 CON B

WELL NAME: PEMBINA #3 LAKE ERIE 62-B PERMIT NO: 5630

OPERATOR: PEMBINA EXP CO LTD

DRILLING CO: UNDERWATER GAS DEV

GEOLOGY BY: PETROLEUM RESOURCE

TOTAL DEPTH	420.0M	PBTD 378.4M
RIG TYPE	ROT	ELEV 174.7M+ 7.1M
CO ORDINATES		
LATITUDE	42-39-19 N	
LONGITUDE	80-16-45 W	SEQ 1
CONFIDENTIAL	1981 07 03	
SPUDDED	1981 06 01	
COMPLETED	1981 06 03	
ABANDONED		
SPL TRAY No	7208	INDEX No 693

GEOLOGICAL CONTACTS		TOP m	ELEV m	THICK m
SAMPLES START AT		106.0		
LAKE / GROUND LEVEL		7.1	174.7	
DRIFT / LAKE BOTTOM		15.4		
DEVONIAN	PT LAMBTON			
	KETTLE POINT			
	HAMILTON / MARCELLUS			
	DUNDEE	67.5		
	DETROIT RIVER / LUCAS	78.4		
	AMHERSTBURG	95.4		
	BOIS BLANC	110.4		
	BASS ISLANDS	146.4		
SILURIAN	G UNIT SHALE	167.8		
	F UNIT SHALE	175.2		
	E UNIT CARB	198.0		
	D UNIT SALT	0.		
	C UNIT SHALE	236.0		
	MARKER	243.9		
	B UNIT SALT	0.		
	ANHY	256.0		
	CARB	261.0		
	A-2 UNIT SALT	0.		
	ANHY	270.9		
	CARB	273.2		
	A-1 UNIT EVAP	0.		
	QUELPH	275.2		
	ERAMOSA	0.		
	AMABEL / GOAT ISLAND	295.0		
	GASPORT	325.6		
	ROCHESTER	340.7		
	IRONDEQUOIT	359.5		
	REYNALES	0.		
	THOROLD	362.8		
	CATARACT / GRIMSBY	366.6		
	CABOT HEAD	378.0		
	MANITOULIN	0.		
	WHIRLPOOL	398.4		
ORDOVICIAN	QUEENSTON	402.6		
	MEAFORD DUNDAS			
	COLLINGWOOD			
	TRENTON / COBOURG			
	VERULAM			
	KIRKFIELD			
	BLACK RIVER / COBOCONK			
	GULL RIVER			
	SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				
TOTAL DEPTH SAMPLES	420.0	MQC 6		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
362.0- 373.0	2501 M3/D	4471 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	35.8KG	103.0	CEMENTED	
114MM	14.1KG	412.2	CEMENTED	
60MM	4.7KG	358.6	HANGING	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
320.0- 374.5	CMPL	103.0- 421.0	ISF
15.0- 421.0	CNFD		

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

FOSSIL NIL 0. DYER BAY 0. D UNIT EQU 231.0
B UNIT EQU 248.7 DE CEN 337.2
SPRINGVALE AT BASE OF BOIS BLANC
POOR AGREEMENT BETWEEN LOG & SAMPLES
CRITICAL MISSING SAMPLES
UPPER PICKS INTERPRETIVE, NO LOGS OR SAMPLES

1 DST(S) ON FILE TREATMENT

FINAL RESULTS

OIL	NIL
GAS	2501 M3/D
PRESSURE	4471 KPA
PRODUCING INTVL (m)	364.0- 367.0
	370.0- 371.0
PERFORATED	YES OPEN HOLE
FORMATION(S)	THOROLD
	GRIMSBY

CLASS DEVEL FIELD POOL STATUS GAS PRODUCER

COUNTY NORFOLK TOWNSHIP LAKE ERIE LOT 62 CON L

WELL NAME: PEMBINA #3 LAKE ERIE 62-L PERMIT NO: 5629

OPERATOR: PEMBINA EXP CO LTD

DRILLING CO: UNDERWATER GAS DEV

GEOLOGY BY: PETROLEUM RESOURCE

TOTAL DEPTH	439.9M	PBTD 428.1M
RIG TYPE	ROT	ELEV 174.7M+ 7.0M
CO ORDINATES		
LATITUDE	42-37-17 N	
LONGITUDE	80-16-48 W	SEQ 1
CONFIDENTIAL	1981 06 30	
SPUDDED	1981 05 27	
COMPLETED	1981 05 30	
ABANDONED		
SPL TRAY No	7172	INDEX No 636

GEOLOGICAL CONTACTS		TOP m	ELEV m	THICK m
SAMPLES START AT		115.8		
LAKE GROUND LEVEL		7.0	174.7	
DRIFT LAKE BOTTOM		13.3		
DEVONIAN	PT LAMBTON	0.		
	KETTLE POINT	0.		
	HAMILTON / MARCELLUS	0.		
	DUNDEE	83.2		
	DETROIT RIVER / LUCAS	0.		
	AMHERSTBURG	115.7		
	BOIS BLANC	136.9		
	BASS ISLANDS	161.6		
SILURIAN	G UNIT SHALE	189.0		
	F UNIT SHALE	195.1		
	E UNIT CARB	213.2		
	D UNIT SALT	0.		
	C UNIT SHALE	250.1		
	MARKER	258.8		
	B UNIT SALT	0.		
	ANHY	272.3		
	CARB	277.7		
	A-2 UNIT SALT	0.		
	ANHY	0.		
	CARB	291.8		
	A-1 UNIT EVAP	0.		
	QUELPH	295.2		
	ERAMOSA			
	AMABEL / GOAT ISLAND	314.3		
	GASPORT	334.5		
	ROCHESTER	365.6		
	IRONDEQUOIT	0.		
	REYNALES	375.3		
	THOROLD	379.0		
	CATARACT / GRIMSBY	383.9		
	CABOT HEAD	397.2		
	MANITOULIN	413.5		
	WHIRLPOOL	417.7		
ORDOVICIAN	QUEENSTON	421.2		
	MEAFORD DUNDAS			
	COLLINGWOOD			
	TRENTON / COBOURG			
	VERULAM			
	KIRKFIELD			
	BLACK RIVER / COBOCONK			
	GULL RIVER			
	SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				
TOTAL DEPTH SAMPLES	439.9	MQC 7		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
416.0- 440.0	4475 M3/D	6114 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	35.7KG	99.0	CEMENTED	
114MM	14.1KG	420.9	CEMENTED	
60MM	4.7KG	414.0	HANGING	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
13.0- 439.9	GRNL	13.0- 439.9	DENL
13.0- 439.9	CALP	113.5- 438.9	IES
378.0- 428.0	CMPL		

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

D UNIT EQU 244.8 B UNIT EQU 263.8 DE CEN 355.6
SPRINGVALE AT BASE OF BOIS BLANC

DST(S) ON FILE TREATMENT

FINAL RESULTS

OIL	NIL
GAS	NIL
PRESSURE	
PRODUCING INTVL (m)	
PERFORATED	OPEN HOLE
FORMATION(S)	

CLASS DEVEL FIELD POOL STATUS GAS PRODUCER

COUNTY NORFOLK TOWNSHIP LAKE ERIE LOT 63 CON K

WELL NAME PEMBINA #4 LAKE ERIE 63-K PERMIT NO 5612

OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 439.5M PBTD 419.2M

DRILLING CO UNDERWATER GAS DEV RIG TYPE ROT ELEV 174.7M+ 7.0M

GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES

LATITUDE 42-37-17 N

LONGITUDE 80-10-10 W REQ 1

CONFIDENTIAL 1981 06 05

SPUDDED 1981 05 03

COMPLETED 1981 05 05

ABANDONED

SPL TRAY No 7219 INDEX No 650

YEAR	CONCESSION	LOT	TOWNSHIP	COUNTY	GEOLOGICAL CONTACTS		TOP m	ELEV m	THICK m
					SAMPLES START AT		127.0		
					LAKE GROUND LEVEL		7.0	174.7	
					DRIFT LAKE BOTTOM		17.6		
DEVONIAN					PRT LAMBTON				
					KETTLE POINT				
					HAMILTON	MARCELLUS			
						DUNDEE	77.8		
					DETROIT RIVER	LUCAS	91.2		
						AMHERSTBURG	105.4		
						BOIS BLANC	126.4		
						BASS ISLANDS	144.7		
SILURIAN						G UNIT SHALE	170.1		
						F UNIT SHALE	176.1		
						E UNIT CARB	199.3		
						D UNIT SALT	0.		
						C UNIT SHALE	237.0		
						MARKER	246.0		
						B UNIT SALT	0.		
						ANHY	258.9		
						CARB	263.7		
						A 2 UNIT SALT	0.		
						ANHY	273.4		
						CARB	275.0		
						A 1 UNIT EVAP	0.		
					QUELPH		278.4		
					ERAMOSA				
					AMABEL	GOAT ISLAND	310.3		
						GASPORT	339.8		
						ROCHESTER	363.2		
						IRONDEQUOIT	371.1		
						REYNALES	373.9		
						THOROLD	375.0		
					CATARACT	GRIMSBY	375.8		
						CABOT HEAD	390.4		
						MANITOULIN	414.0		
						WHIRLPOOL	415.6		
ORDOVICIAN						QUEENSTON	416.7		
						MEAFORD DUNDAS			
						COLLINGWOOD			
					TRENTON	COBOURG			
						VERULAM			
						KIRKFIELD			
					BLACK RIVER	COBOCONK			
						GULL RIVER			
						SHADOW LAKE			
CAMBRIAN									
PRECAMBRIAN									
TOTAL DEPTH SAMPLES 432.0						MDC 6			

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
382.0-	SHOW	
380.5- 389.5	8071 M3/D	4537 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3 d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
219MM	35.7KG	124.2	CEMENTED	
114MM	14.3KG	427.1	CEMENTED	
60MM	7.0KG	372.4	HANGING	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
25.0- 434.5	CNFD	340.0- 418.6	CMPL
124.2- 434.5	ISF		

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

D UNIT EQU 232.0 B UNIT EQU 251.0 DE CEW 357.7

SPRINGVALE AT BASE OF BOIS BLANC

POOR AGREEMENT BETWEEN LOG & SAMPLES

CRITICAL MISSING SAMPLES

UPPER PICKS INTERPRETIVE, NO LOGS OR SAMPLES

FINAL RESULTS

OIL NIL

GAS 8071 M3/D

PRESSURE 4537 KPA

PRODUCING INTVL (m) 381.0- 383.0

PERFORATED FORMATIONS YES OPEN HOLE GRIMSBY

1 DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD POOL STATUS GAS SHOW -ABD

COUNTY NORFOLK TOWNSHIP LAKE ERIE LOT 63 CON P

WELL NAME PLACE CHARL LAKE ERIE 63-P PERMIT NO 5757

OPERATOR PLACE GAS & OIL CO TOTAL DEPTH 426.7M PBTD

DRILLING CO PLACE GAS & OIL CO RIG TYPE CAB ELEV 174.7M+ 4.6M

GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES

LATITUDE 42-36-11 N

LONGITUDE 80-14-15 W REQ 1

CONFIDENTIAL 1981 11 21

SPUDDED 1981 09 01

COMPLETED 1981 10 21

ABANDONED 1981 10 29

SPL TRAY No 3104 INDEX No 955

YEAR	CONCESSION	LOT	TOWNSHIP	COUNTY	GEOLOGICAL CONTACTS		TOP m	ELEV m	THICK m
					SAMPLES START AT		90.0		
					LAKE GROUND LEVEL		4.6	174.7	
					DRIFT LAKE BOTTOM				
DEVONIAN					PRT LAMBTON				
					KETTLE POINT				
					HAMILTON	MARCELLUS			
						DUNDEE	90.0		
					DETROIT RIVER	LUCAS	0.		
						AMHERSTBURG	124.4		
						BOIS BLANC	137.0		
						BASS ISLANDS	157.9		
SILURIAN						G UNIT SHALE	182.0		
						F UNIT SHALE	189.0		
						E UNIT CARB	210.9		
						D UNIT SALT	0.		
						C UNIT SHALE	246.9		
						MARKER	261.0		
						B UNIT SALT	0.		
						ANHY	271.8		
						CARB	274.5		
						A 2 UNIT SALT	0.		
						ANHY	284.0		
						CARB	285.5		
						A 1 UNIT EVAP	0.		
					QUELPH		288.4		
					ERAMOSA		0.		
					AMABEL	GOAT ISLAND	325.5		
						GASPORT	336.8		
						ROCHESTER	369.4		
						IRONDEQUOIT	379.2		
						REYNALES	382.4		
						THOROLD	383.4		
					CATARACT	GRIMSBY	387.6		
						CABOT HEAD	401.0		
						MANITOULIN	417.6		
						WHIRLPOOL	422.6		
ORDOVICIAN						QUEENSTON			
						MEAFORD DUNDAS			
						COLLINGWOOD			
					TRENTON	COBOURG			
						VERULAM			
						KIRKFIELD			
					BLACK RIVER	COBOCONK			
						GULL RIVER			
						SHADOW LAKE			
CAMBRIAN									
PRECAMBRIAN									
TOTAL DEPTH SAMPLES 429.0						MDC 7			

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
390.8- 392.6	10 M3/D	
395.6- 397.8	10 M3/D	
397.8- 426.7		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3 d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
203MM		87.5	CASING SHOE	13.4
114MM		381.0	PACKER	381.0

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

FOSSIL NIL 0. OVER BAY 0. D UNIT EQU 242.9

B UNIT EQU 263.2 DE CEW 346.3

SPRINGVALE AT BASE OF BOIS BLANC

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATIONS YES OPEN HOLE

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD POOL STATUS GAS PRODUCER

COUNTY NORFOLK TOWNSHIP LAKE ERIE LOT 63 CON 0

WELL NAME PLACE CHARLOT LAKE ERIE 63-0 PERMIT NO 5754

OPERATOR PLACE GAS & OIL CO TOTAL DEPTH 425.2M PBTD

DRILLING CO PLACE GAS & OIL CO RIG TYPE ROT ELEV 174.6M± 4.5M

GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES

LATITUDE 42-36-11 N

LONGITUDE 80-13-15 W SEQ 1

CONFIDENTIAL 1981 10 30

SPUDDED 1981 08 26

COMPLETED 1981 09 30

ABANDONED

SPL TRAY No 3103 INDEX No 952

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 86.0					
	LAKE GROUND LEVEL		4.5	174.6	
	DRIFT LAKE BOTTOM		18.2		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS			
		DUNDEE	86.3		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	114.0		
		BOIS BLANC	144.5		
		BASS ISLANDS	158.0		
SILURIAN		Q UNIT SHALE	176.8		
		F UNIT SHALE	182.9		
		E UNIT CARB	215.2		
		D UNIT SALT	0.		
		C UNIT SHALE	242.9		
		MARKER	249.6		
		B UNIT SALT	0.		
		ANHY	268.2		
		CARB	274.0		
		A 2 UNIT SALT	0.		
		ANHY	0.		
		CARB	284.7		
		A 1 UNIT EVAP	0.		
	QUELPH		288.0		
	ERAMOSA				
	AMABEL	GOAT ISLAND	315.2		
		GASPORT	342.0		
		ROCHESTER	365.5		
		IRONDEQUOIT	380.1		
		REYNALES			
		THOROLD	381.6		
	CATARACT	GRIMSBY	390.1		
		CABOT HEAD	400.2		
		MANITOULIN	0.		
		WHIRLPOOL	421.8		
ORDOVICIAN		QUEENSTON	425.0		
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 425.2 MDL 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
384.0- 387.1-	2237 M3/D	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3 d	TYPE
112.8-			SULPHUR
149.4-			SULPHUR
157.0-			SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
203MM		86.2	CASING SHOE	13.4
114MM		381.3	CEMENTED	13.4
25MM		422.5	HANGING	13.4

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION	CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
	NIL			

STORED *ANAL

REMARKS

B UNIT EQU 253.0 DE CEW 350.5

SPRINGVALE AT BASE OF BOIS BLANC

NO LOGS

FINAL RESULTS

OIL NIL

GAS 2237 M3/D

PRESSURE

PRODUCING INTVL (S) 384.0- 387.1

PERFORATED FORMATION(S) THOROLD OPEN HOLE YES

DST (S) ON FILE TREATMENT

CLASS DEVEL FIELD POOL STATUS GAS PRODUCER

COUNTY NORFOLK TOWNSHIP LAKE ERIE LOT 63 CON R

WELL NAME PLACE CHARLOT LAKE ERIE 63-R PERMIT NO 5719

OPERATOR PLACE GAS & OIL CO TOTAL DEPTH 423.6M PBTD

DRILLING CO PLACE GAS & OIL CO RIG TYPE CAB ELEV 174.6M± 4.5M

GEOLOGY BY PETROLEUM RESOURCES CO-ORDINATES

LATITUDE 42-36-15 N

LONGITUDE 80-12-20 W SEQ

CONFIDENTIAL 1981 09 25

SPUDDED 1981 07 22

COMPLETED 1981 08 25

ABANDONED

SPL TRAY No 3102 INDEX No 948

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 85.3 m					
	LAKE GROUND LEVEL		4.5		
	DRIFT LAKE BOTTOM		13.2		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	0.		
		MARCELLUS	0.		
		DUNDEE	85.3		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	119.8		
		BOIS BLANC	132.6		
		BASS ISLANDS	156.5		
SILURIAN		Q UNIT SHALE	182.3		
		F UNIT SHALE	191.7		
		E UNIT CARB	208.8		
		D UNIT SALT	0.		
		C UNIT SHALE	246.9		
		MARKER	261.5		
		B UNIT SALT	0.		
		ANHY	0.		
		CARB	274.0		
		A 2 UNIT SALT	0.		
		ANHY	280.8		
		CARB	281.0		
		A 1 UNIT EVAP	0		
	QUELPH		289.3		
	ERAMOSA		0		
	AMABEL	GOAT ISLAND	326.4		
		GASPORT	333.0		
		ROCHESTER	365.8		
		IRONDEQUOIT	0		
		REYNALES	379.5		
		THOROLD	382.5		
	CATARACT	GRIMSBY	388.3		
		CABOT HEAD	399.6		
		MANITOULIN	418.5		
		WHIRLPOOL	423.8		
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 426.1 m MDL 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
386.2 -	510 M3/D	
388.3 -	3531 M3/D	
85.3 -		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3 d	TYPE
92.4 -			FRESH
101.8 -			FRESH
147.8 -			SULPHUR
157.0 -			SULPHUR
207.3 -			SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
203MM		85.3		13.1
102MM		377.3	CEMENTED	13.1
25MM		402.3	HANGING	13.1
25MM	3.0 KG			

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION	CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
	NIL			

STORED *ANAL

REMARKS

DYER BAY 0. FOSSIL HIL 0. D UNIT EQU 239.9

B UNIT EQU 267.9 DE CEW 350.5

SPRINGVALE AT BASE OF BOIS BLANC

FINAL RESULTS

OIL NIL

GAS 22100 M3/D

PRESSURE

PRODUCING INTVL (S) 386.2-388.3

PERFORATED FORMATION(S) THOROLD OPEN HOLE YES

DST (S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS GAS SHOW -ABD

COUNTY NORFOLK TOWNSHIP LAKE ERIE LOT 96 CON P

WELL NAME: CONSUMER 13745 LAKE ERIE 96-P PERMIT NO: 5587

OPERATOR CONSUMERS GAS CO.

DRILLING CO UNDERWATER GAS DEV

GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 500.0M PBTD RIG TYPE ROT ELEV 174.7M± 7.0M

CO-ORDINATES

LATITUDE 42-31-19 N

LONGITUDE 80-29-58 W SEQ 1

CONFIDENTIAL 1981 08 10

SPUDDED 1981 07 08

COMPLETED 1981 07 10

ABANDONED 1981 07 11

SPL TRAY No 6615 INDEX No 936

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 159.0					
LAKE / GROUND LEVEL			7.0	174.7	
DRIFT - LAKE BOTTOM			22.9		
DEVONIAN	PRT LAMBTON		0.		
		KETTLE POINT	0.		
	HAMILTON	MARCELLUS	126.2		
		DUNDEE	130.9		
	DETROIT RIVER	LUCAS	153.5		
		AMHERSTBURG	172.3		
		BOIS BLANC	196.0		
		BASS ISLANDS	218.2		
SILURIAN		Q UNIT SHALE	244.8		
		F UNIT SHALE	251.9		
		E UNIT CARB	274.9		
		D UNIT SALT	0.		
		C UNIT SHALE	314.9		
		MARKER	321.9		
		B UNIT SALT	0.		
		ANHY	335.9		
		CARB	341.3		
		A-2 UNIT SALT	0.		
		ANHY	353.1		
		CARB	354.9		
		A-1 UNIT EVAP	0.		
		GUELPH	357.6		
		ERAMOSA			
	AMABEL	GOAT ISLAND	372.7		
		GASPORT	393.8		
		ROCHESTER	430.0		
		IRONDEQUOIT	0.		
		REYNALES	442.1		
		THOROLD	445.2		
	CATARACT	GRIMSBY	448.8		
		CABOT HEAD	461.7		
		MANITOULIN	483.4		
		WHIRLPOOL	487.8		
ORDOVICIAN		QUEENSTON	489.2		
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 499.0			MOC		7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
467.0-	SHOW	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	22.9	HANGING	22.9
219MM	35.7KG	156.7	CEMENTED	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
20.0- 499.5	GRNL	20.0- 499.5	DENL
20.0- 499.5	CALP		

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

D UNIT EQU 308.2 B UNIT EQU 327.6 DE CEM 417.8

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATION(S) OPEN HOLE

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS GAS PRODUCER

COUNTY NORFOLK TOWNSHIP LAKE ERIE LOT 95 CON M

WELL NAME: CONSUMERS 13744 LAKE ERIE 95-M PERMIT NO 5586

OPERATOR CONSUMERS GAS CO.

DRILLING CO UNDERWATER GAS DEV

GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 488.0M PBTD 475.3M RIG TYPE ROT ELEV 174.7M± 6.8M

CO-ORDINATES

LATITUDE 42-32-07 N

LONGITUDE 80-32-03 W SEQ 1

CONFIDENTIAL 1981 07 26

SPUDDED 1981 06 24

COMPLETED 1981 06 26

ABANDONED

SPL TRAY No 3936 INDEX No 931

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 155.0					
LAKE - GROUND LEVEL			6.8	174.7	
DRIFT - LAKE BOTTOM			22.2		
DEVONIAN	PRT LAMBTON		0.		
		KETTLE POINT	0.		
	HAMILTON	MARCELLUS	112.2		
		DUNDEE	0.		
	DETROIT RIVER	LUCAS	110.6		
		AMHERSTBURG	145.6		
		BOIS BLANC	171.0		
		BASS ISLANDS	191.5		
SILURIAN		Q UNIT SHALE	211.2		
		F UNIT SHALE	236.5		
		E UNIT CARB	243.6		
		D UNIT SALT	266.8		
		C UNIT SHALE	0.		
		MARKER	305.4		
		B UNIT SALT	314.1		
		ANHY	0.		
		CARB	326.9		
		A-2 UNIT SALT	332.2		
		ANHY	0.		
		CARB	0.		
		A-1 UNIT EVAP	346.4		
		GUELPH	0.		
		ERAMOSA	350.3		
	AMABEL	GOAT ISLAND			
		GASPORT	364.2		
		ROCHESTER	390.4		
		IRONDEQUOIT	424.4		
		REYNALES	0.		
		THOROLD	453.3		
	CATARACT	GRIMSBY	458.7		
		CABOT HEAD	461.6		
		MANITOULIN	454.7		
		WHIRLPOOL	476.2		
ORDOVICIAN		QUEENSTON	479.3		
		MEAFORD DUNDAS	480.1		
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 488.0			MOC		7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
437.0- 449.2	16822 M3/D	5153 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	22.0	HANGING	22.0
219MM	35.7KG	152.3	CEMENTED	
114MM	14.1KG	487.2	CEMENTED	
60MM	7.0KG	436.6	HANGING	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
20.0- 490.0	GRNL	20.0- 490.0	DENL
20.0- 490.0	CALP	152.2- 485.6	LATL
415.0- 477.0	CRPL		

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

D UNIT EQU 299.4 B UNIT EQU 319.6 DE CEM 411.9

SPRINGVALE AT BASE OF BOIS BLANC

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATION(S) OPEN HOLE

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD POOL STATUS DRY HOLE -ABD

COUNTY NORFOLK TOWNSHIP LAKE ERIE LOT 95 CON U

WELL NAME: CONSUMERS 13746 LAKE ERIE 95-U PERMIT NO. 5588

OPERATOR CONSUMERS GAS CO.

DRILLING CO UNDERWATER GAS DEV RIG TYPE ROT ELEV 174.7M+ 7.0M

GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES

TOTAL DEPTH 508.0M PBTD

LATITUDE 42-30-08 N

LONGITUDE 80-30-11 W SEQ 1

CONFIDENTIAL 1981 08 19

SPUDDED 1981 07 11

COMPLETED 1981 07 19

ABANDONED 1981 07 19

SPL TRAY No 6609 INDEX No 935

GEOLOGICAL CONTACTS		TOP m	ELEV m	THICK m
SAMPLES START AT 162.0				
LAKE - GROUND LEVEL		7.0	174.7	
DRIFT / LAKE BOTTOM				
DEVONIAN	PRT LAMBTON			
	KETTLE POINT			
	HAMILTON	MARCELLUS	127.1	
		DUNDEE	137.6	
	DETROIT RIVER	LUCAS	0.	
		AMHERSTBURG	175.0	
		BOIS BLANC	195.0	
		BASS ISLANDS	221.4	
SILURIAN		Q UNIT SHALE	251.1	
		F UNIT SHALE	258.0	
		E UNIT CARB	281.2	
		D UNIT SALT	0.	
		C UNIT SHALE	319.2	
		MARKER	328.2	
		B UNIT SALT	0.	
		ANHY	342.0	
		CARB	346.9	
		A-2 UNIT SALT	0.	
		ANHY	350.0	
		CARB	359.6	
		A-1 UNIT EVAP	0.	
	GUELPH		362.5	
	ERAMOSA			
	AMABEL	GOAT ISLAND	380.4	
		GASPORT	415.0	
		ROCHESTER	439.2	
		IRONDEQUOIT	451.8	
	REYNALES		0.	
	THOROLD		455.4	
	CATARACT	GRIMSBY	457.4	
		CABOT HEAD	471.0	
		MANITOULIN	0.	
		WHIRLPOOL	496.8	
ORDOVICIAN		QUEENSTON	498.5	
		MEAFORD DUNDAS		
		COLLINGWOOD		
	TRENTON	COBOURG		
		VERULAM		
		KIRKFIELD		
	BLACK RIVER	COBOCONK		
		GULL RIVER		
		SHADOW LAKE		
CAMBRIAN				
PRECAMBRIAN				

TOTAL DEPTH SAMPLES 509.0 MQC 6

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	24.5	HANGING	24.5
219MM	35.7KG	157.6	CEMENTED	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
24.0- 508.7	CNFD		

CORING RECORD

CONDITION	STORED		ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

D UNIT EQU 314.0 B UNIT EQU 334.2 DC CEW 418.0
SPRINGVALE AT BASE OF BOIS BLANC
CRITICAL MISSING SAMPLES

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED FORMATION(S) OPEN HOLE

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD POOL STATUS GAS PRODUCER

COUNTY NORFOLK TOWNSHIP LAKE ERIE LOT 95 CON V

WELL NAME: CONSUMERS 13743 LAKE ERIE 95-V PERMIT NO. 5585

OPERATOR CONSUMERS GAS CO.

DRILLING CO UNDERWATER GAS DEV RIG TYPE ROT ELEV 174.7M + 7.0M

GEOLOGY BY PETROLEUM RESOURCES CO ORDINATES 95.9M S; 109.1M W

TOTAL DEPTH 505.0M PBTD

LATITUDE 42-30-52 N

LONGITUDE 80-31-60 W SEQ 1

CONFIDENTIAL 1981 08 01

SPUDDED 1981 06 28

COMPLETED 1981 07 01

ABANDONED

SPL TRAY No 7204 INDEX No 933

GEOLOGICAL CONTACTS		TOP m	ELEV m	THICK m
SAMPLES START AT 152.0				
LAKE - GROUND LEVEL		7.0		
DRIFT - LAKE BOTTOM		21.2		
DEVONIAN	PRT LAMBTON			
	KETTLE POINT			
	HAMILTON	MARCELLUS	118.8	
		DUNDEE	122.5	
	DETROIT RIVER	LUCAS	132.3	
		AMHERSTBURG	0.	
		BOIS BLANC	175.3	
		BASS ISLANDS	189.0	
SILURIAN		Q UNIT SHALE	220.5	
		F UNIT SHALE	247.3	
		E UNIT CARB	254.7	
		D UNIT SALT	277.7	
		C UNIT SHALE	0.	
		MARKER	315.2	
		B UNIT SALT	323.2	
		ANHY	0.	
		CARB	337.6	
		A-2 UNIT SALT	343.6	
		ANHY	0.	
		CARB	347.2	
		A-1 UNIT EVAP	348.7	
	GUELPH		0.	
	ERAMOSA		359.2	
	AMABEL	GOAT ISLAND	366.6	
		GASPORT	399.6	
		ROCHESTER	435.0	
		IRONDEQUOIT	447.0	
	REYNALES			
	THOROLD		450.3	
	CATARACT	GRIMSBY	451.4	
		CABOT HEAD	463.0	
		MANITOULIN	488.1	
		WHIRLPOOL	492.0	
ORDOVICIAN		QUEENSTON	493.2	
		MEAFORD DUNDAS		
		COLLINGWOOD		
	TRENTON	COBOURG		
		VERULAM		
		KIRKFIELD		
	BLACK RIVER	COBOCONK		
		GULL RIVER		
		SHADOW LAKE		
CAMBRIAN				
PRECAMBRIAN				

TOTAL DEPTH SAMPLES 504.0 MQC 6

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
457.0 - 448.5 - 464.0	19739 M3/D	4973 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	23.2	HANGING	23.3
219MM	35.7KG	149.6	CEMENTED	
114MM	14.1KG	499.9	CEMENTED	
60MM	7.0KG	445.8	HANGING	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
21.0 - 505.5	CNFD	149.6 - 501.1	LATL
425.0 - 490.0	CMPL		

CORING RECORD

CONDITION	STORED		ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	

REMARKS

D UNIT EQU 309.4 DECEW 418.7 B UNIT EQU 329.2
CRITICAL MISSING SAMPLES
ORISKANY AT BASE OF BOIS BLANC
POOR AGREEMENT BETWEEN LOG & SAMPLES

FINAL RESULTS

OIL NIL
GAS 19739 M3/D
PRESSURE 4973 KPA
PRODUCING INTVL (m) 452.0-453.3
455.9-456.1 459.0-459.8
PERFORATED YES OPEN HOLE FORMATION(S)

1 DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD POOL
COUNTY NORFOLK TOWNSHIP LAKE ERIE
WELL NAME CONSUMER 13760 LAKE ERIE 123-C
OPERATOR CONSUMERS GAS CO.
DRILLING CO UNDERWATER GAS DEV
GEOLOGY BY PETROLEUM RESOURCE

STATUS GAS PRODUCER
LOT 123 CON C
PERMIT NO $690
TOTAL DEPTH 518.0M PBTD
RIG TYPE ROT ELEV 174.7M+ 7.1M
CO ORDINATES
LATITUDE 42-29-37 N
LONGITUDE 80-37-17 W SEQ 1
CONFIDENTIAL 1981 08 17
SPUDDED 1981 07 15
COMPLETED 1981 07 17
ABANDONED
SPL TRAY No 2982 INDEX No 939

GEOLOGICAL CONTACTS — SAMPLES START AT 153.0

			TOP m	ELEV m	THICK m
	LAKE / GROUND LEVEL		7.1	174.7	
	DRIFT / LAKE BOTTOM		25.6		
DEVONIAN	PRT LAMBTON		0.		
	KETTLE POINT		0.		
	HAMILTON		115.8		
		MARCELLUS	120.4		
	DUNDEE		139.2		
	DETROIT RIVER	LUCAS	163.2		
		AMHERSTBURG	184.2		
	BOIS BLANC		199.1		
	BASS ISLANDS		229.8		
SILURIAN		G UNIT SHALE	262.4		
		F UNIT SHALE	269.8		
		E UNIT CARB	292.1		
		D UNIT SALT	0.		
		C UNIT SHALE	332.4		
		MARKER	340.6		
		B UNIT SALT	0.		
		ANHY	354.0		
		CARB	359.4		
		A 2 UNIT SALT	0.		
		ANHY	372.1		
		CARB	373.6		
		A 1 UNIT EVAP	0.		
	GUELPH		376.0		
	ERAMOSA				
	AMABEL	GOAT ISLAND	392.4		
		GASPORT	412.7		
		ROCHESTER	450.0		
		IRONDEQUOIT	0.		
	REYNALES		462.6		
	THOROLD		466.0		
	CATARACT	GRIMSBY	470.4		
		CABOT HEAD	481.8		
		MANITOULIN	503.1		
		WHIRLPOOL	506.9		
ORDOVICIAN	QUEENSTON		508.0		
	MEAFORD DUNDAS				
	COLLINGWOOD				
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 518.0 MQC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
466.5- 470.5	8099 M3/D	5284 KPA
222.0-	SHOW	
471.0-	SHOW	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3 d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
273MM	75.9KG	25.8	HANGING	25.8
219MM	35.7KG	150.8	CEMENTED	
114MM	14.1KG	515.3	CEMENTED	
60MM	7.0KG	461.2	HANGING	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
25.0- 519.8	GRNL	25.0- 519.8	DENL
25.0- 519.8	CALP	155.0- 515.6	LATL
440.0- 505.1	CNPL		

CORING RECORD

CONDITION	STORED		PANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS
D UNIT EQU 326.8 B UNIT EQU 346.0 DE CEW 437.7
SPRINGVALE AT BASE OF BOIS BLANC

FINAL RESULTS
OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED FORMATION(S) OPEN HOLE

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD POOL
COUNTY NORFOLK TOWNSHIP LAKE ERIE
WELL NAME CONSUMERS 13767 LAKE ERIE 123-G
OPERATOR CONSUMERS GAS CO.
DRILLING CO UNDERWATER GAS DEV
GEOLOGY BY PETROLEUM RESOURCE

STATUS GAS SHOW -ABD
LOT 123 CON 6
PERMIT NO 5691
TOTAL DEPTH 528.0M PBTD
RIG TYPE ROT ELEV 174.7M+ 7.2M
CO ORDINATES
LATITUDE 42-28-38 N
LONGITUDE 80-38-16 W SEQ 1
CONFIDENTIAL 1981 08 29
SPUDDED 1981 07 27
COMPLETED 1981 07 29
ABANDONED 1981 07 30
SPL TRAY No 5123 INDEX No 958

GEOLOGICAL CONTACTS — SAMPLES START AT 156.0

			TOP m	ELEV m	THICK m
	LAKE / GROUND LEVEL		7.2	174.7	
	DRIFT / LAKE BOTTOM		26.5		
DEVONIAN	PRT LAMBTON				
	KETTLE POINT				
	HAMILTON		122.0		
		MARCELLUS			
	DUNDEE		147.0		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	182.0		
	BOIS BLANC		201.0		
	BASS ISLANDS		235.0		
SILURIAN		G UNIT SHALE	268.6		
		F UNIT SHALE	276.4		
		E UNIT CARB	299.0		
		D UNIT SALT	0.		
		C UNIT SHALE	338.6		
		MARKER	348.8		
		B UNIT SALT	0.		
		ANHY	363.2		
		CARB	368.6		
		A 2 UNIT SALT	0.		
		ANHY	381.2		
		CARB	383.0		
		A 1 UNIT EVAP	0.		
	GUELPH		385.3		
	ERAMOSA				
	AMABEL	GOAT ISLAND	391.6		
		GASPORT	427.2		
		ROCHESTER	461.2		
		IRONDEQUOIT	473.4		
	REYNALES				
	THOROLD		476.6		
	CATARACT	GRIMSBY	479.0		
		CABOT HEAD	492.8		
		MANITOULIN	514.6		
		WHIRLPOOL	516.4		
ORDOVICIAN	QUEENSTON		518.7		
	MEAFORD DUNDAS				
	COLLINGWOOD				
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 528.0 MQC 6

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
477.0-	SHOW	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3 d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
273MM	75.9KG	26.5	HANGING	26.5
219MM	35.7KG	154.8	HANGING	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
20.0- 528.8	CNFD		

CORING RECORD

CONDITION	STORED		PANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS
D UNIT EQU 333.8 B UNIT EQU 354.8 DE CEW 442.8
ORISKANY AT BASE OF BOIS BLANC
CRITICAL MISSING SAMPLES

FINAL RESULTS
OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED FORMATION(S) OPEN HOLE

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD POOL STATUS DRY HOLE -ABD

COUNTY NORFOLK TOWNSHIP LAKE ERIE LOT 123 CON M

WELL NAME: CONSUMERS 13765 LAKE ERIE 123-M PERMIT NO. 5671

OPERATOR CONSUMERS GAS CO. TOTAL DEPTH 540.0M PBTD

DRILLING CO UNDERWATER GAS DEV RIG TYPE ROT ELEV 174.7M+ 6.9M

GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES

LATITUDE 42-27-05 N

LONGITUDE 80-37-15 W SEQ 1

CONFIDENTIAL 1981 08 03

SPUDDED 1981 07 03

COMPLETED 1981 07 05

ABANDONED 1981 07 06

SPL TRAY No 2965 INDEX No 940

GEOLOGICAL CONTACTS

SAMPLES START AT 167.8

		TOP m	ELEV m	THICK m
	LAKE / GROUND LEVEL	6.9	174.7	
	DRIFT / LAKE BOTTOM	26.6		
DEVONIAN	PRT LAMBTON	0.		
	KETTLE POINT	0.		
	HAMILTON	129.1		
	MARCELLUS	148.3		
	DUNDEE	157.7		
	DETROIT RIVER / LUCAS	181.9		
	DETROIT RIVER / AMHERSTBURG	205.6		
	BOIS BLANC	227.6		
	BASS ISLANDS	249.0		
SILURIAN	G UNIT SHALE	278.2		
	F UNIT SHALE	286.0		
	E UNIT CARB	309.2		
	D UNIT SALT	0.		
	C UNIT SHALE	347.1		
	C UNIT MARKER	356.3		
	B UNIT SALT	0.		
	B UNIT ANHY	370.4		
	B UNIT CARB	376.6		
	A 2 UNIT SALT	0.		
	A 2 UNIT ANHY	388.9		
	A 1 UNIT CARB	390.0		
	A 1 UNIT EVAP	0.		
	GUELPH	392.3		
	ERAMOSA	0.		
	AMABEL / GOAT ISLAND	410.6		
	AMABEL / GASPORT	428.4		
	AMABEL / ROCHESTER	470.6		
	AMABEL / IRONDEQUOIT	0.		
	AMABEL / REYNALES	483.3		
	AMABEL / THOROLD	486.7		
	CATARACT / GRIMSBY	491.4		
	CATARACT / CABOT HEAD	504.6		
	CATARACT / MANITOULIN	525.9		
	CATARACT / WHIRLPOOL	529.7		
ORDOVICIAN	QUEENSTON	531.6		
	MEAFORD DUNDAS			
	COLLINGWOOD			
	TRENTON / COBOURG			
	TRENTON / VERULAM			
	TRENTON / KIRKFIELD			
	BLACK RIVER / COBOCONK			
	BLACK RIVER / GULL RIVER			
	BLACK RIVER / SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				

TOTAL DEPTH SAMPLES 540.0 MQC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	26.6	HANGING	26.6
219MM	35.7KG	165.2	CEMENTED	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
25.0- 541.2	GRNL	25.0- 541.2	DENL
25.0- 541.2	CALP	170.0- 541.2	LATL

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 341.3 B UNIT EQU 362.0 DE CEW 449.3

SPRINGVALE AT BASE OF BOIS BLANC

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED FORMATION(S) OPEN HOLE

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD POOL STATUS GAS PRODUCER

COUNTY NORFOLK TOWNSHIP LAKE ERIE LOT 127 CON M

WELL NAME PEMBINA #3 LAKE ERIE 127-M PERMIT NO. 5633

OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 539.6M PBTD

DRILLING CO PEMBINA DRILLIN CO RIG TYPE ROT ELEV 174.7M+ 6.1M

GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES

LATITUDE 42-28-19 N

LONGITUDE 80-17-48 W SEQ 1

CONFIDENTIAL 1981 07 01

SPUDDED 1981 05 28

COMPLETED 1981 06 01

ABANDONED

SPL TRAY No 7587 INDEX No 660

GEOLOGICAL CONTACTS

SAMPLES START AT 189.8

		TOP m	ELEV m	THICK m
	LAKE GROUND LEVEL	6.1	174.7	
	DRIFT LAKE BOTTOM	35.8		
DEVONIAN	PRT LAMBTON			
	KETTLE POINT			
	HAMILTON			
	MARCELLUS			
	DUNDEE	155.0		
	DETROIT RIVER / LUCAS	0.		
	DETROIT RIVER / AMHERSTBURG			
	BOIS BLANC	213.0		
	BASS ISLANDS	222.3		
SILURIAN	G UNIT SHALE	251.0		
	F UNIT SHALE	258.1		
	E UNIT CARB	280.0		
	D UNIT SALT	0.		
	C UNIT SHALE	317.5		
	C UNIT MARKER	325.8		
	B UNIT SALT	0.		
	B UNIT ANHY	339.6		
	B UNIT CARB	344.6		
	A 2 UNIT SALT	0.		
	A 2 UNIT ANHY	354.4		
	A 1 UNIT CARB	356.0		
	A 1 UNIT EVAP	0.		
	GUELPH	357.9		
	ERAMOSA			
	AMABEL / GOAT ISLAND			
	AMABEL / GASPORT			
	AMABEL / ROCHESTER	449.3		
	AMABEL / IRONDEQUOIT	462.9		
	AMABEL / REYNALES	0.		
	AMABEL / THOROLD	466.6		
	CATARACT / GRIMSBY	471.4		
	CATARACT / CABOT HEAD	482.9		
	CATARACT / MANITOULIN	0.		
	CATARACT / WHIRLPOOL	509.5		
ORDOVICIAN	QUEENSTON	511.4		
	MEAFORD DUNDAS			
	COLLINGWOOD			
	TRENTON / COBOURG			
	TRENTON / VERULAM			
	TRENTON / KIRKFIELD			
	BLACK RIVER / COBOCONK			
	BLACK RIVER / GULL RIVER			
	BLACK RIVER / SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				

TOTAL DEPTH SAMPLES 535.0 MQC 6

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
191.0- 466.0- 474.0	SHOW 2659 M3/D	5002 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
340MM	90.8KG	176.8	CEMENTED	35.8
193MM	39.3KG	236.4	CEMENTED	35.8
114MM	14.1KG	521.9	CEMENTED	
60MM	19.8KG		HANGING	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
236.0- 534.3	CNFD	236.0- 534.3	SONL
236.0- 534.3	DIL	422.0- 515.0	CMPL

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

FOSSIL HIL 0. D UNIT EQU 312.2 B UNIT EQU 331.9

DE CEW 431.0

CRITICAL MISSING SAMPLES

UPPER PICKS INTERPRETIVE, NO LOGS OR SAMPLES

POOR AGREEMENT BETWEEN LOG & SAMPLES

FINAL RESULTS

OIL NIL

GAS 2659 M3/D

PRESSURE 5002 KPA

PRODUCING INTVL (m) 468.5- 471.5

PERFORATED FORMATION(S) GRIMSBY OPEN HOLE YES THOROLD

1 DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS GAS SHOW -ABD
COUNTY NORFOLK TOWNSHIP LAKE ERIE LOT 127 CON 0
WELL NAME: PEMBINA 81 LAKE ERIE 127-0 PERMIT NO.: 5634
OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 531.4M PBTD
DRILLING CO PEMBINA DRILLIN CO RIG TYPE ROT ELEV 174.7M+ 5.9M
GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES
LATITUDE 42-27-48 N
LONGITUDE 80-19-18 W SEQ 1
CONFIDENTIAL 1981 06 27
SPUDDED 1981 05 27
COMPLETED 1981 05 31
ABANDONED 1981 06 01
SPL TRAY No 7211 INDEX No 645

GEOLOGICAL CONTACTS:	TOP m	ELEV m	THICK m
SAMPLES START AT 218.0			
LAKE / GROUND LEVEL	5.9	174.7	
DRIFT / LAKE BOTTOM	31.1		
DEVONIAN — PRT LAMBTON			
DEVONIAN — KETTLE POINT			
DEVONIAN — HAMILTON — MARCELLUS			
DEVONIAN — DUNDEE	158.0		
DEVONIAN — DETROIT RIVER — LUCAS	0.		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	199.6		
DEVONIAN — BOIS BLANC	219.5		
DEVONIAN — BASS ISLANDS	227.8		
SILURIAN — G UNIT SHALE	254.2		
SILURIAN — F UNIT SHALE	260.9		
SILURIAN — E UNIT CARB	282.2		
SILURIAN — D UNIT SALT	0.		
SILURIAN — C UNIT SHALE	317.9		
SILURIAN — C UNIT MARKER	326.5		
SILURIAN — B UNIT SALT	0.		
SILURIAN — B UNIT ANHY	340.6		
SILURIAN — B UNIT CARB	346.6		
SILURIAN — A-2 UNIT SALT	0.		
SILURIAN — A-2 UNIT ANHY	356.0		
SILURIAN — A-1 UNIT CARB	357.2		
SILURIAN — A-1 UNIT EVAP	0.		
SILURIAN — GUELPH	359.6		
SILURIAN — ERAMOSA			
SILURIAN — AMABEL — GOAT ISLAND	373.0		
SILURIAN — AMABEL — GASPORT	402.6		
SILURIAN — AMABEL — ROCHESTER	451.6		
SILURIAN — AMABEL — IRONDEQUOIT	465.0		
SILURIAN — REYNALES	0.		
SILURIAN — THOROLD	469.0		
SILURIAN — CATARACT — GRIMSBY	471.3		
SILURIAN — CATARACT — CABOT HEAD	487.9		
SILURIAN — CATARACT — MANITOULIN	0.		
SILURIAN — CATARACT — WHIRLPOOL	511.9		
ORDOVICIAN — QUEENSTON	513.3		
ORDOVICIAN — MEAFORD DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES 531.0	MQC 6		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
477.0- 496.0	413 M3/D	4823 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
340MM	71.4KG	174.3	CEMENTED	
193MM	39.3KG	216.1	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
207.0- 530.0	DIL	207.0- 529.7	CNFD

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

D UNIT EQU 313.0 B UNIT EQU 332.6 DE CEW 431.0
POOR SAMPLES QUALITY
POOR AGREEMENT BETWEEN LOG & SAMPLES
CRITICAL MISSING SAMPLES
UPPER PICKS INTERPRETIVE, NO LOGS OR SAMPLES

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE

1 DST(S) ON FILE TREATMENT FORMATION(S)

CLASS DEVEL FIELD/POOL STATUS DRY HOLE -ABD
COUNTY NORFOLK TOWNSHIP LAKE ERIE LOT 129 CON 0
WELL NAME: PEMBINA81 LAKE ERIE 129-0 PERMIT NO.: 5620
OPERATOR PEMBINA EXP CO LTD TOTAL DEPTH 549.3M PBTD
DRILLING CO PEMBINA DRILLIN CO RIG TYPE ROT ELEV 174.7M+ 6.0M
GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES
LATITUDE 42-26-47 N
LONGITUDE 80-08-15 W SEQ 1
CONFIDENTIAL 1981 06 27
SPUDDED 1981 05 23
COMPLETED 1981 05 27
ABANDONED 1981 05 27
SPL TRAY No 7209 INDEX No 644

GEOLOGICAL CONTACTS:	TOP m	ELEV m	THICK m
SAMPLES START AT 197.0			
LAKE / GROUND LEVEL	6.0	174.7	
DRIFT / LAKE BOTTOM	53.9		
DEVONIAN — PRT LAMBTON	0.		
DEVONIAN — KETTLE POINT	0.		
DEVONIAN — HAMILTON — MARCELLUS	128.2		
DEVONIAN — DUNDEE	0.		
DEVONIAN — DETROIT RIVER — LUCAS	183.7		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	0.		
DEVONIAN — BOIS BLANC	195.2		
DEVONIAN — BASS ISLANDS	230.3		
SILURIAN — G UNIT SHALE	246.3		
SILURIAN — F UNIT SHALE	277.5		
SILURIAN — E UNIT CARB	288.4		
SILURIAN — D UNIT SALT	306.0		
SILURIAN — C UNIT SHALE	0.		
SILURIAN — C UNIT MARKER	345.0		
SILURIAN — B UNIT SALT	353.5		
SILURIAN — B UNIT ANHY	0.		
SILURIAN — B UNIT CARB	368.7		
SILURIAN — A-2 UNIT SALT	373.1		
SILURIAN — A-2 UNIT ANHY	0.		
SILURIAN — A-1 UNIT CARB	382.6		
SILURIAN — A-1 UNIT EVAP	383.6		
SILURIAN — GUELPH	0.		
SILURIAN — ERAMOSA	386.5		
SILURIAN — AMABEL — GOAT ISLAND			
SILURIAN — AMABEL — GASPORT	403.2		
SILURIAN — AMABEL — ROCHESTER	420.5		
SILURIAN — AMABEL — IRONDEQUOIT	465.2		
SILURIAN — REYNALES	479.3		
SILURIAN — THOROLD	480.7		
SILURIAN — CATARACT — GRIMSBY	483.4		
SILURIAN — CATARACT — CABOT HEAD	487.2		
SILURIAN — CATARACT — MANITOULIN	505.2		
SILURIAN — CATARACT — WHIRLPOOL	525.4		
ORDOVICIAN — QUEENSTON	527.8		
ORDOVICIAN — MEAFORD DUNDAS	530.0		
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES 546.0	MQC 7		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
483.0- 488.0		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
340MM	71.4KG	145.0	CEMENTED	
194MM	39.3KG	193.9	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
192.1- 547.3	GRNL	192.1- 547.3	DENL
192.1- 547.3	CALP	192.0- 548.0	IES

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

D UNIT EQU 339.5 B UNIT EQU 359.5 DE CEW 448.6
SPRINGVALE AT BASE OF BOIS BLANC

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED OPEN HOLE

DST(S) ON FILE TREATMENT FORMATION(S)

CLASS DEVEL FIELD/POOL STATUS GAS SHOW -ABD

COUNTY NORFOLK TOWNSHIP LAKE ERIE LOT 130 CON Q

WELL NAME: PEMBINA #3 LAKE ERIE 130-Q

OPERATOR PEMBINA EXP CO LTD

DRILLING CO PEMBINA DRILLIN CO

GEOLOGY BY PETROLEUM RESOURCE

PERMIT NO.: 5621

TOTAL DEPTH 564.3M PBTD

RIG TYPE ROT ELEV 174.6M+ 6.3M

CO-ORDINATES

LATITUDE 42-26-13 N

LONGITUDE 80-03-43 W SEQ 1

CONFIDENTIAL 1981 06 26

SPUDDED 1981 05 21

COMPLETED 1981 05 26

ABANDONED 1981 05 27

SPL TRAY No 6889 INDEX No 639

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 163.0					
LAKE / GROUND LEVEL			6.3	174.6	
DRIFT / LAKE BOTTOM			50.3		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	0.		
		MARCELLUS	0.		
		DUNDEE	196.0		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	214.1		
		BOIS BLANC	242.9		
SILURIAN		BASS ISLANDS	256.1		
		G UNIT SHALE	288.1		
		F UNIT SHALE	294.5		
		E UNIT CARB	318.0		
		D UNIT SALT	0.		
		C UNIT SHALE	355.8		
		MARKER	365.6		
		B UNIT SALT	0.		
		ANHY	378.9		
		CARB	385.7		
		A-2 UNIT SALT	0.		
		ANHY	394.6		
		A-1 UNIT CARB	396.6		
		EVAP	0.		
	GUELPH		399.3		
	ERAMOSA				
	AMABEL	GOAT ISLAND	407.4		
		GASPORT	421.2		
		ROCHESTER	476.4		
		IRONDEQUOIT	0.		
	CATARACT	REYNALES	490.5		
		THOROLD	493.1		
		GRIMSBY	496.6		
		CABOT HEAD	515.5		
		MANITOULIN	0.		
		WHIRLPOOL	538.2		
ORDOVICIAN		QUEENSTON	541.9		
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 552.0 MOC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I PRESSURE
457.0-	SHOW	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
340MM	90.8KG	160.8	CEMENTED	50.3
193MM	39.3KG	203.7	CEMENTED	50.3

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
204.0- 564.0	IES	204.0- 564.0	CALP
204.0- 564.0	DENL	204.0- 564.0	GRNL

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 350.8 B UNIT EQU 371.4 DE CEW 460.5

SPRINGVALE AT BASE OF BOIS BLANC

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS NFW FIELD/POOL STATUS GAS SHOW -ABD

COUNTY NORFOLK TOWNSHIP LAKE ERIE LOT 150 CON E

WELL NAME: PEMBINA #1 LAKE ERIE 150-E

OPERATOR PEMBINA EXP CO LTD

DRILLING CO PEMBINA DRILLIN CO

GEOLOGY BY PETROLEUM RESOURCE

PERMIT NO.: 5737

TOTAL DEPTH 565.7M PBTD

RIG TYPE ROT ELEV 174.7M+ 5.5M

CO-ORDINATES

LATITUDE 42-24-55 N

LONGITUDE 80-19-14 W SEQ 1

CONFIDENTIAL 1982 08 19

SPUDDED 1981 08 14

COMPLETED 1981 08 19

ABANDONED 1981 08 20

SPL TRAY No 5180 INDEX No 672

GEOLOGICAL CONTACTS:			TOP m	ELEV m	THICK m
SAMPLES START AT 190.0					
LAKE / GROUND LEVEL			5.5	174.7	
DRIFT / LAKE BOTTOM			34.5		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT	123.1		
		MARCELLUS	144.0		
		DUNDEE	190.3		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	221.4		
		BOIS BLANC	0.		
SILURIAN		BASS ISLANDS	258.3		
		G UNIT SHALE	289.4		
		F UNIT SHALE	296.9		
		E UNIT CARB	320.0		
		D UNIT SALT	0.		
		C UNIT SHALE	357.2		
		MARKER	367.0		
		B UNIT SALT	0.		
		ANHY	380.3		
		CARB	386.3		
		A-2 UNIT SALT	0.		
		ANHY	396.0		
		A-1 UNIT CARB	397.0		
		EVAP	0.		
	GUELPH		400.5		
	ERAMOSA				
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER	483.0		
		IRONDEQUOIT	496.9		
	CATARACT	REYNALES	0.		
		THOROLD	501.0		
		GRIMSBY	503.0		
		CABOT HEAD	518.6		
		MANITOULIN	0.		
		WHIRLPOOL	546.8		
ORDOVICIAN		QUEENSTON	548.3		
		MEAFORD-DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 565.0 MOC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	S.I PRESSURE
508.0- 514.0	170 M3/D	4921 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
340MM	71.4KG	143.1	CEMENTED	
194MM	39.3KG	187.5	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
60.0- 565.0	CNFD	188.0- 565.0	DIL
188.7- 563.4	CNPL		

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 352.7 B UNIT EQU 373.0 DE CEW 461.4

POOR AGREEMENT BETWEEN LOG & SAMPLES

POOR SAMPLES QUALITY

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE FORMATION(S)

1 DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS DRY HOLE -ABD
COUNTY NORFOLK TOWNSHIP LAKE ERIE LOT 153 CON E
WELL NAME: CONSUMERS 13784 LAKE ERIE 153-E PERMIT NO: 5723
OPERATOR CONSUMERS GAS CO.
DRILLING CO UNDERWATER GAS DEV
GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 560.0M PBTD
RIG TYPE ROT ELEV 174.7M+ 6.7M
CO-ORDINATES
LATITUDE 42-24-07 N
LONGITUDE 80-34-51 W SEQ 1
CONFIDENTIAL 1981 08 26
SPUDDED 1981 07 23
COMPLETED 1981 07 26
ABANDONED 1981 07 26
SFL TRAY No 2508 INDEX No 946

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 148.8					
LAKE / GROUND LEVEL			6.7	174.7	
DRIFT / LAKE BOTTOM			28.3		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	113.7		
			125.3		
		MARCELLUS	175.6		
		DUNDEE	184.0		
	DETROIT RIVER	LUCAS	201.4		
		AMHERSTBURG	214.1		
		BOIS BLANC	233.2		
		BASS ISLANDS	254.2		
SILURIAN		G UNIT SHALE	283.4		
		F UNIT SHALE	290.5		
		E UNIT CARB	314.4		
		D UNIT SALT	0.		
		C UNIT SHALE	352.0		
		MARKER	361.2		
		B UNIT SALT	0.		
		ANHY	374.5		
		CARB	379.6		
		A-2 UNIT SALT	0.		
		ANHY	0.		
		CARB	391.6		
		A-1 UNIT EVAP	0.		
	GUELPH		394.6		
	ERAMOSA				
	AMABEL	GOAT ISLAND	481.1		
		GASPORT	453.9		
		ROCHESTER	487.9		
		IRONDEQUOIT	0.		
		REYNALES	501.7		
		THOROLD	505.9		
	CATARACT	GRIMSBY	508.0		
		CABOT HEAD	521.4		
		MANITOULIN	543.0		
		WHIRLPOOL	0.		
ORDOVICIAN		QUEENSTON	549.0		
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 552.0 MOC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	$1 PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	27.7	HANGING	27.7
219MM	35.7KG	145.3	CEMENTED	

LOGGING RECORD
LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
27.0- 562.4	GRNL	27.0- 562.4	DENL
27.0- 562.4	CALP	150.0- 558.0	LATL

CORING RECORD

CONDITION	STORED		*ANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS
D UNIT EQU 345.8 B UNIT EQU 366.4 DE CEV 471.1

FINAL RESULTS
OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED FORMATION(S) OPEN HOLE

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS DRY HOLE -ABD
COUNTY NORFOLK TOWNSHIP LAKE ERIE LOT 154 CON J
WELL NAME: CONSUMERS 13763 LAKE ERIE 154-J PERMIT NO: 5673
OPERATOR CONSUMERS GAS CO.
DRILLING CO UNDERWATER GAS DEV
GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 577.0M PBTD
RIG TYPE ROT ELEV 174.7M+ 6.5M
CO-ORDINATES
LATITUDE 42-23-1[illegible] N
LONGITUDE 80-35-25 W SEQ 1
CONFIDENTIAL 1981 08 10
SPUDDED 1981 07 07
COMPLETED 1981 07 10
ABANDONED 1981 07 10
SFL TRAY No 2452 INDEX No 945

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 123.8					
LAKE GROUND LEVEL			6.5	174.7	
DRIFT / LAKE BOTTOM			27.8		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT	109.0		
			139.0		
		MARCELLUS	184.6		
		DUNDEE	196.9		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	229.4		
		BOIS BLANC	252.0		
		BASS ISLANDS	269.4		
SILURIAN		G UNIT SHALE	299.3		
		F UNIT SHALE	307.0		
		E UNIT CARB	329.9		
		D UNIT SALT	0.		
		C UNIT SHALE	367.9		
		MARKER	376.5		
		B UNIT SALT	0.		
		ANHY	390.2		
		CARB	396.0		
		A-2 UNIT SALT	0.		
		ANHY	406.3		
		A-1 UNIT CARB	407.2		
		EVAP	0.		
	GUELPH		410.0		
	ERAMOSA				
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER	504.1		
		IRONDEQUOIT	517.0		
		REYNALES			
		THOROLD	521.6		
	CATARACT	GRIMSBY	525.1		
		CABOT HEAD	538.0		
		MANITOULIN	563.9		
		WHIRLPOOL	566.0		
ORDOVICIAN		QUEENSTON	566.9		
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 577.0 MOC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	$1 PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
424.0-		SHOW	SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	27.8	HANGING	27.8
244MM	53.6KG	122.8	CEMENTED	
178MM	29.8KG	239.3	CEMENTED	

LOGGING RECORD
LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
245.0- 576.5	LATL	30.0- 576.5	CNFD

CORING RECORD

CONDITION	STORED		*ANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS
D UNIT EQU 362.1 B UNIT EQU 382.0 DE CEV 486.7

FINAL RESULTS
OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED FORMATION(S) OPEN HOLE

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS DRY HOLE -ABD

COUNTY NORFOLK TOWNSHIP LAKE ERIE LOT 154 CON U

WELL NAME: CONSUMERS 13769 LAKE ERIE 154-U PERMIT NO 5692

OPERATOR CONSUMERS GAS CO.

DRILLING CO UNDERWATER GAS DEV

GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 603.0M PBTD

RIG TYPE ROT ELEV 174.7M+ 6.1M

CO-ORDINATES

LATITUDE 42-20-38 N

LONGITUDE 80-35-15 W SEQ 1

CONFIDENTIAL 1981 08 22

SPUDDED 1981 07 20

COMPLETED 1981 07 22

ABANDONED 1981 07 23

SPL TRAY No 3276 INDEX No 937

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 126.0					
LAKE / GROUND LEVEL			6.1	174.7	
DRIFT / LAKE BOTTOM			27.6		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	125.3		
			164.0		
		MARCELLUS	207.2		
		DUNDEE	219.8		
	DETROIT RIVER	LUCAS	236.5		
		AMHERSTBURG	263.0		
		BOIS BLANC	279.5		
		BASS ISLANDS	294.6		
SILURIAN		G UNIT SHALE	328.5		
		F UNIT SHALE	336.0		
		E UNIT CARB	359.6		
		D UNIT SALT	0.		
		C UNIT SHALE	396.7		
		MARKER	405.2		
		B UNIT SALT	0.		
		ANHY	418.3		
		CARB	423.6		
		A-2 UNIT SALT	0.		
		ANHY	434.4		
		CARB	436.0		
		A-1 UNIT EVAP	0.		
		GUELPH	438.5		
		ERAMOSA			
	AMABEL	GOAT ISLAND	463.4		
		GASPORT	489.1		
		ROCHESTER	528.2		
		IRONDEQUOIT	0.		
		REYNALES	541.8		
		THOROLD	545.6		
	CATARACT	GRIMSBY	549.3		
		CABOT HEAD	561.4		
		MANITOULIN	584.6		
		WHIRLPOOL	590.3		
ORDOVICIAN		QUEENSTON	592.2		
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 603.0 MOC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
438.5-			SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	28.2	HANGING	28.2
244MM	53.6KG	126.3	CEMENTED	
178MM	29.8KG	248.5	CEMENTED	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
25.0- 602.0	GRNL	25.0- 602.0	DENL
25.0- 602.0	CALP		

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 391.6 B UNIT EQU 411.0 DE CEV 505.5

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

DBT(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS GAS PRODUCER

COUNTY NORFOLK TOWNSHIP LAKE ERIE LOT 155 CON M

WELL NAME: CONSUMERS 13779 LAKE ERIE 155-H PERMIT NO 5694

OPERATOR CONSUMERS GAS CO.

DRILLING CO UNDERWATER GAS DEV

GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 579.0M PBTD 548.3M

RIG TYPE ROT ELEV 174.7M+ 6.5M

CO-ORDINATES

LATITUDE 42-23-08 N

LONGITUDE 80-42-55 W SEQ 1

CONFIDENTIAL 1981 08 18

SPUDDED 1981 07 15

COMPLETED 1981 07 18

ABANDONED

SPL TRAY No 2515 INDEX No 944

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 123.0					
LAKE / GROUND LEVEL			6.5	174.7	
DRIFT / LAKE BOTTOM			27.3		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT	106.8		
			134.0		
		MARCELLUS			
		DUNDEE	190.4		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	220.0		
		BOIS BLANC	249.0		
		BASS ISLANDS	273.5		
SILURIAN		G UNIT SHALE	305.0		
		F UNIT SHALE	312.2		
		E UNIT CARB	335.1		
		D UNIT SALT	0.		
		C UNIT SHALE	373.0		
		MARKER	381.9		
		B UNIT SALT	0.		
		ANHY	395.4		
		CARB	401.6		
		A-2 UNIT SALT	0.		
		ANHY	413.0		
		CARB	414.7		
		A-1 UNIT EVAP	0.		
		GUELPH	417.0		
		ERAMOSA			
	AMABEL	GOAT ISLAND	448.3		
		GASPORT	477.4		
		ROCHESTER	506.0		
		IRONDEQUOIT	519.6		
		REYNALES	0.		
		THOROLD	522.4		
	CATARACT	GRIMSBY	524.0		
		CABOT HEAD	544.0		
		MANITOULIN	0.		
		WHIRLPOOL	567.1		
ORDOVICIAN		QUEENSTON	568.9		
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 573.0 MOC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
522.5- 539.5	11640 M3/D	4559 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	27.7	HANGING	27.7
244MM	53.6KG	122.4	CEMENTED	
178MM	29.8KG	238.9	CEMENTED	
114MM	14.4KG	572.3	CEMENTED	
60MM	7.0KG	520.1	HANGING	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
40.0- 578.0	LATL	500.0- 542.5	CMPL
30.0- 577.7	CNFD		

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 368.0 B UNIT EQU 387.5 DE CEV 488.0

SPRINGVALE AT BASE OF BOIS BLANC

FINAL RESULTS

OIL NIL

GAS 11640 M3/D

PRESSURE 4559 KPA

PRODUCING INTVL (m) 527.5- 529.3

534.5- 536.7

PERFORATED YES OPEN HOLE

FORMATION(S) GRIMSBY

1 DBT(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS DRY HOLE -ABD

COUNTY NORFOLK TOWNSHIP LAKE ERIE LOT 155 CON B

WELL NAME: CONSUMERS 13762 LAKE ERIE 155-B PERMIT NO.: 5674

OPERATOR CONSUMERS GAS CO. TOTAL DEPTH 597.0M PBTD

DRILLING CO UNDERWATER GAS DEV RIG TYPE ROT ELEV 174.7M+ 7.3M

GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES

GEOLOGICAL CONTACTS:	TOP m	ELEV m	THICK m
SAMPLES START AT 159.0			
LAKE / GROUND LEVEL	7.3	174.7	
DRIFT / LAKE BOTTOM	28.6		
DEVONIAN — PRT LAMBTON	0.		
DEVONIAN — HAMILTON — KETTLE POINT	100.3		
DEVONIAN — HAMILTON — MARCELLUS	149.1		
DEVONIAN — DUNDEE	202.9		
DEVONIAN — DETROIT RIVER — LUCAS	217.5		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	229.3		
DEVONIAN — DETROIT RIVER — BOIS BLANC	251.9		
SILURIAN — BASS ISLANDS	273.3		
SILURIAN — G UNIT SHALE	300.0		
SILURIAN — F UNIT SHALE	307.5		
SILURIAN — E UNIT CARB	331.3		
SILURIAN — D UNIT SALT	0.		
SILURIAN — C UNIT SHALE	371.3		
SILURIAN — C UNIT MARKER	379.3		
SILURIAN — B UNIT SALT	0.		
SILURIAN — B UNIT ANHY	392.0		
SILURIAN — B UNIT CARB	397.0		
SILURIAN — A-2 UNIT SALT	0.		
SILURIAN — A-2 UNIT ANHY	408.1		
SILURIAN — A-1 UNIT CARB	409.2		
SILURIAN — A-1 UNIT EVAP	0.		
SILURIAN — GUELPH	412.1		
SILURIAN — ERAMOSA			
SILURIAN — AMABEL — GOAT ISLAND	455.4		
SILURIAN — AMABEL — GASPORT	480.6		
SILURIAN — AMABEL — ROCHESTER	527.3		
SILURIAN — AMABEL — IRONDEQUOIT	0.		
SILURIAN — REYNALES	540.3		
SILURIAN — THOROLD	544.2		
SILURIAN — CATARACT — GRIMSBY	546.0		
SILURIAN — CATARACT — CABOT HEAD	557.6		
SILURIAN — CATARACT — MANITOULIN	585.6		
SILURIAN — CATARACT — WHIRLPOOL	588.3		
ORDOVICIAN — QUEENSTON	589.9		
ORDOVICIAN — MEAFORD-DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			

TOTAL DEPTH SAMPLES 597.0 MOC 7

LATITUDE 42-21-23 N

LONGITUDE 80-42-26 W SEQ 1

CONFIDENTIAL 1981 08 19

SPUDDED 1981 07 19

COMPLETED 1981 07 22

ABANDONED 1981 07 23

SPL TRAY No 2397 INDEX No 938

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
169.0-		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	28.5	HANGING	28.5
219MM	35.7KG	151.2	CEMENTED	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
28.0- 597.8	GRNL	28.0- 597.8	DENL
28.0- 597.8	CALP		

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 366.5 B UNIT EQU 384.4 DE CEN 511.3

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS GAS PRODUCER

COUNTY NORFOLK TOWNSHIP LAKE ERIE LOT 188 CON E

WELL NAME: CONSUMERS 13776 LAKE ERIE 188-E PERMIT NO.: 5701

OPERATOR CONSUMERS GAS CO. TOTAL DEPTH 603.5M PBTD 594.7M

DRILLING CO UNDERWATER GAS DEV RIG TYPE ROT ELEV 174.7M+ 6.5M

GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES

GEOLOGICAL CONTACTS:	TOP m	ELEV m	THICK m
SAMPLES START AT 108.0			
LAKE / GROUND LEVEL	6.5	174.7	
DRIFT / LAKE BOTTOM	28.2		
DEVONIAN — PRT LAMBTON			
DEVONIAN — HAMILTON — KETTLE POINT	106.9		
DEVONIAN — HAMILTON — MARCELLUS	155.0		
DEVONIAN — DUNDEE	208.4		
DEVONIAN — DETROIT RIVER — LUCAS	0.		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	251.0		
DEVONIAN — DETROIT RIVER — BOIS BLANC	264.0		
SILURIAN — BASS ISLANDS	285.1		
SILURIAN — G UNIT SHALE	321.4		
SILURIAN — F UNIT SHALE	329.6		
SILURIAN — E UNIT CARB	353.0		
SILURIAN — D UNIT SALT	0.		
SILURIAN — C UNIT SHALE	390.4		
SILURIAN — C UNIT MARKER	399.4		
SILURIAN — B UNIT SALT	0.		
SILURIAN — B UNIT ANHY	412.8		
SILURIAN — B UNIT CARB	418.4		
SILURIAN — A-2 UNIT SALT	0.		
SILURIAN — A-2 UNIT ANHY	429.2		
SILURIAN — A-1 UNIT CARB	430.8		
SILURIAN — A-1 UNIT EVAP	0.		
SILURIAN — GUELPH	433.0		
SILURIAN — ERAMOSA			
SILURIAN — AMABEL — GOAT ISLAND	450.0		
SILURIAN — AMABEL — GASPORT	462.6		
SILURIAN — AMABEL — ROCHESTER	528.2		
SILURIAN — AMABEL — IRONDEQUOIT	541.0		
SILURIAN — REYNALES			
SILURIAN — THOROLD	545.0		
SILURIAN — CATARACT — GRIMSBY	546.0		
SILURIAN — CATARACT — CABOT HEAD	563.0		
SILURIAN — CATARACT — MANITOULIN	0.		
SILURIAN — CATARACT — WHIRLPOOL	591.2		
ORDOVICIAN — QUEENSTON	592.9		
ORDOVICIAN — MEAFORD-DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			

TOTAL DEPTH SAMPLES 597.0 MOC 7

LATITUDE 42-19-54 N

LONGITUDE 80-39-51 W SEQ 1

CONFIDENTIAL 1981 08 27

SPUDDED 1981 07 27

COMPLETED 1981 07 30

ABANDONED

SPL TRAY No 4022 INDEX No 947

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
589.5- 603.5	3565 M3/D	7042 KPA
543.5- 557.0	16454 M3/D	5543 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	28.2	HANGING	28.2
244MM	53.6KG	107.8	CEMENTED	
178MM	29.8KG	236.8	CEMENTED	
114MM	14.4KG	599.4	CEMENTED	
60MM	7.0KG	541.8	HANGING	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
525.0- 594.0	CNPL	240.0- 602.0	LATL
30.0- 602.5	CNFD		

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

REMARKS

D UNIT EQU 385.7 B UNIT EQU 405.0 DE CEN 505.0

SPRINGVALE AT BASE OF BOIS BLANC

FINAL RESULTS

OIL NIL

GAS 16454 M3/D

PRESSURE 5543 KPA

PRODUCING INTVL (m) 549.1- 549.6

551.6- 552.1 591.8- 592.3

PERFORATED YES OPEN HOLE

FORMATION(S) GRIMSBY

WHIRLPOOL

2 DST(S) ON FILE TREATMENT

CLASS NFW FIELD/POOL STATUS DRY HOLE -ABD

COUNTY NORFOLK TOWNSHIP LAKE ERIE LOT 189 CON D

WELL NAME: CONSUMERS 13786 LAKE ERIE 189-D PERMIT NO.: 5722

OPERATOR CONSUMERS GAS CO. TOTAL DEPTH 613.3M PBTD

DRILLING CO UNDERWATER GAS DEV RIG TYPE ROT ELEV 174.7M+ 6.5M

GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES

LATITUDE 42-19-42 N

LONGITUDE 80-33-44 W SEQ 1

CONFIDENTIAL 1982 07 26

SPUDDED 1981 07 23

COMPLETED 1981 07 26

ABANDONED 1981 07 27

SPL TRAY No 6423 INDEX No 943

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 105.0					
	LAKE / GROUND LEVEL		6.5	174.7	
	DRIFT / LAKE BOTTOM		28.0		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT	93.4		
		MARCELLUS	178.0		
		DUNDEE	216.2		
	DETROIT RIVER	LUCAS	232.8		
		AMHERSTBURG	0.		
		BOIS BLANC	263.4		
		BASS ISLANDS	285.0		
SILURIAN		Q UNIT SHALE	304.2		
		F UNIT SHALE	343.2		
		E UNIT CARB	351.0		
		D UNIT SALT	376.3		
		C UNIT SHALE	0.		
		MARKER	411.6		
		B UNIT SALT	420.6		
		ANHY	0.		
		CARB	435.6		
		A-2 UNIT SALT	441.5		
		ANHY	0.		
		CARB	452.6		
		A-1 UNIT EVAP	453.5		
	GUELPH		0.		
	ERAMOSA		456.9		
	AMABEL	GOAT ISLAND			
		GASPORT	471.0		
		ROCHESTER	483.9		
		IRONDEQUOIT	540.6		
		REYNALES	553.5		
		THOROLD	0.		
	CATARACT	GRIMSBY	557.6		
		CABOT HEAD	561.0		
		MANITOULIN	575.3		
		WHIRLPOOL	0.		
ORDOVICIAN		QUEENSTON	600.2		
		MEAFORD DUNDAS	603.6		
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 613.0			MOC 6		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	BI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
456.7-			SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	75.9KG	28.0	HANGING	28.0
244MM	53.6KG	104.5	CEMENTED	
178MM	29.8KG	250.0	CEMENTED	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
25.0- 612.3	CNFD		

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

D UNIT EQU 406.6 B UNIT EQU 426.9 DE CEV 517.9

CRITICAL MISSING SAMPLES

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m)

PERFORATED OPEN HOLE

FORMATION(S)

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS GAS PRODUCER

COUNTY NORFOLK TOWNSHIP SOUTH WALSINGHAM LOT 2 CON II

WELL NAME: EXPLORER SOUTH WALSINGHAM 8-2-II PERMIT NO.: 5651

OPERATOR EXPLORER PETROLEUM TOTAL DEPTH 437.0M PBTD

DRILLING CO MITCHELL, ELGIN RIG TYPE CAB ELEV 205.9M+ .7M

GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES 265.0M N; 287.3M W

LATITUDE 42-36-27 N

LONGITUDE 80-33-41 W SEQ 1

CONFIDENTIAL 1981 08 09

SPUDDED 1981 06 11

COMPLETED 1981 07 09

ABANDONED

SPL TRAY No 185 INDEX No 951

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 100.0					
	LAKE / GROUND LEVEL			205.9	
	DRIFT / LAKE BOTTOM		.7		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS	100.0		
		DUNDEE	107.9		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	151.2		
		BOIS BLANC	166.7		
		BASS ISLANDS	186.4		
SILURIAN		Q UNIT SHALE	218.6		
		F UNIT SHALE	225.2		
		E UNIT CARB	248.7		
		D UNIT SALT	0.		
		C UNIT SHALE	285.6		
		MARKER	294.3		
		B UNIT SALT	0.		
		ANHY	307.6		
		CARB	312.9		
		A-2 UNIT SALT	0.		
		ANHY	324.6		
		A-1 UNIT CARB	326.3		
		EVAP	0.		
	GUELPH		329.6		
	ERAMOSA				
	AMABEL	GOAT ISLAND	364.1		
		GASPORT	388.5		
		ROCHESTER	397.5		
		IRONDEQUOIT	419.1		
		REYNALES	0.		
		THOROLD	421.8		
	CATARACT	GRIMSBY	424.4		
		CABOT HEAD	431.2		
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 437.0			MOC		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	BI PRESSURE
429.9-	174 M3/D	
426.7- 429.2	1298 M3/D	
422.8 - 424.3	81 M3/D	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	35.7KG	101.1	CEMENTED	
114MM	14.1KG	437.5	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 438.0	GRNL	1.0- 438.0	CNPL

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

DE CEV 0. D UNIT EQU 281.0 B UNIT EQU 299.9

NO SAMPLES

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE

PRODUCING INTVL (m) 422.8- 429.2

PERFORATED YES OPEN HOLE

FORMATION(S) THOROLD GRIMSBY

DST(S) ON FILE TREATMENT FOAM

CLASS DEVEL FIELD POOL STATUS GAS PRODUCER

COUNTY NORFOLK TOWNSHIP SOUTH WALSINGHAM LOT 3 CON I

WELL NAME EXPLORER SOUTH WALSINGHAM 2-3-I PERMIT NO 5568

OPERATOR EXPLORER PETROLEUM

DRILLING CO MITCHELL, ELGIN

GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 436.0M PBTD

RIG TYPE ROT ELEV 205.7M± .7M

CO-ORDINATES 253.0M S: 327.4M W

LATITUDE 42-36-24 N

LONGITUDE 80-33-05 W SEG I

CONFIDENTIAL 1981 05 01

SPUDDED 1981 03 08

COMPLETED 1981 04 01

ABANDONED

SPL TRAY No. 6954 INDEX No. 930

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 106.0					
LAKE GROUND LEVEL				205.7	
DRIFT LAKE BOTTOM			.7		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS			
		DUNDEE	107.2		
	DETROIT RIVER	LUCAS			
		AMHERSTBURG	152.8		
		BOIS BLANC	176.0		
		BASS ISLANDS	195.0		
SILURIAN		Q UNIT SHALE	218.7		
		P UNIT SHALE	223.4		
		E UNIT CARB	251.3		
		D UNIT SALT	0.		
		C UNIT SHALE	285.3		
		MARNER	295.0		
		B UNIT SALT	0.		
		ANHY	307.8		
		CARB	311.5		
		A2 UNIT SALT	0.		
		ANHY	324.6		
		CARB	326.4		
		A1 UNIT EVAP	331.6		
	GUELPH		335.0		
	ERAMOSA		0.		
	AMABEL	GOAT ISLAND	341.0		
		GASPORT	390.6		
		ROCHESTER	397.8		
		IRONDEQUOIT			
		REYNALES	416.0		
		THOROLD	420.0		
	CATARACT	GRIMSBY	423.0		
		CABOT HEAD	430.9		
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		BIRDFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 429.0 MDK ?

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
422.5- 423.1	397 M3/D	
423.1- 424.0	675 M3/D	
424.0- 425.0	1256 M3/D	
425.0- 426.4	1570 M3/D	
426.4- 427.6	1580 M3/D	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	sg m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
227.0-			SULPHUR
386.0-			SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
178MM	25.3KG	110.0	CEMENTED	
114MM	14.1KG	419.0	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 418.5	GRNL	396.2- 437.4	GGDE

CORING RECORD

CONDITION	STORED		PANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

FOSSIL NIL O. OVER BAY O. D UNIT EQU 280.1
B UNIT EQU 299.9 DE CEW 395.9
SPRINGVALE AT BASE OF BOIS BLANC

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m) 422.5- 427.6

PERFORATED FORMATION(S) THOROLD
OPEN HOLE YES
GRIMSBY

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD POOL STATUS GAS PRODUCER

COUNTY NORFOLK TOWNSHIP SOUTH WALSINGHAM LOT 3 CON I

WELL NAME EXPLORER #A SOUTH WALSINGHAM 6-3-I PERMIT NO 5569

OPERATOR EXPLORER PETROLEUM

DRILLING CO MITCHELL, ELGIN

GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 437.4M PBTD

RIG TYPE CAB ELEV 202.6M± .4M

CO-ORDINATES 390.1M N: 298.7M E

LATITUDE 42-36-02 N

LONGITUDE 80-32-50 W SEG I

CONFIDENTIAL 1981 05 15

SPUDDED 1981 03 16

COMPLETED 1981 04 15

ABANDONED

SPL TRAY No. 6928 INDEX No. 929

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 106.0					
LAKE GROUND LEVEL				202.6	
DRIFT LAKE BOTTOM			.4		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS	98.1		
		DUNDEE	107.0		
	DETROIT RIVER	LUCAS	132.9		
		AMHERSTBURG	150.6		
		BOIS BLANC	171.6		
		BASS ISLANDS	195.3		
SILURIAN		Q UNIT SHALE	217.3		
		P UNIT SHALE	224.0		
		E UNIT CARB	248.1		
		D UNIT SALT	0.		
		C UNIT SHALE	285.6		
		MARNER	296.7		
		B UNIT SALT	0.		
		ANHY	307.8		
		CARB	311.8		
		A2 UNIT SALT	0.		
		ANHY	0.		
		CARB	325.5		
		A1 UNIT EVAP	0.		
	GUELPH		331.6		
	ERAMOSA				
	AMABEL	GOAT ISLAND	354.8		
		GASPORT	391.7		
		ROCHESTER	397.2		
		IRONDEQUOIT	0.		
		REYNALES	417.6		
		THOROLD	420.6		
	CATARACT	GRIMSBY	423.7		
		CABOT HEAD	431.3		
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN		QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
	TRENTON	COBOURG			
		VERULAM			
		BIRDFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 441.0 MDK ?

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
420.3- 428.2	2448 M3/D	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	sg m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	35.7KG	110.0	CEMENTED	
114MM	14.1KG	419.0	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 437.4	GRNL		

CORING RECORD

CONDITION	STORED		PANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

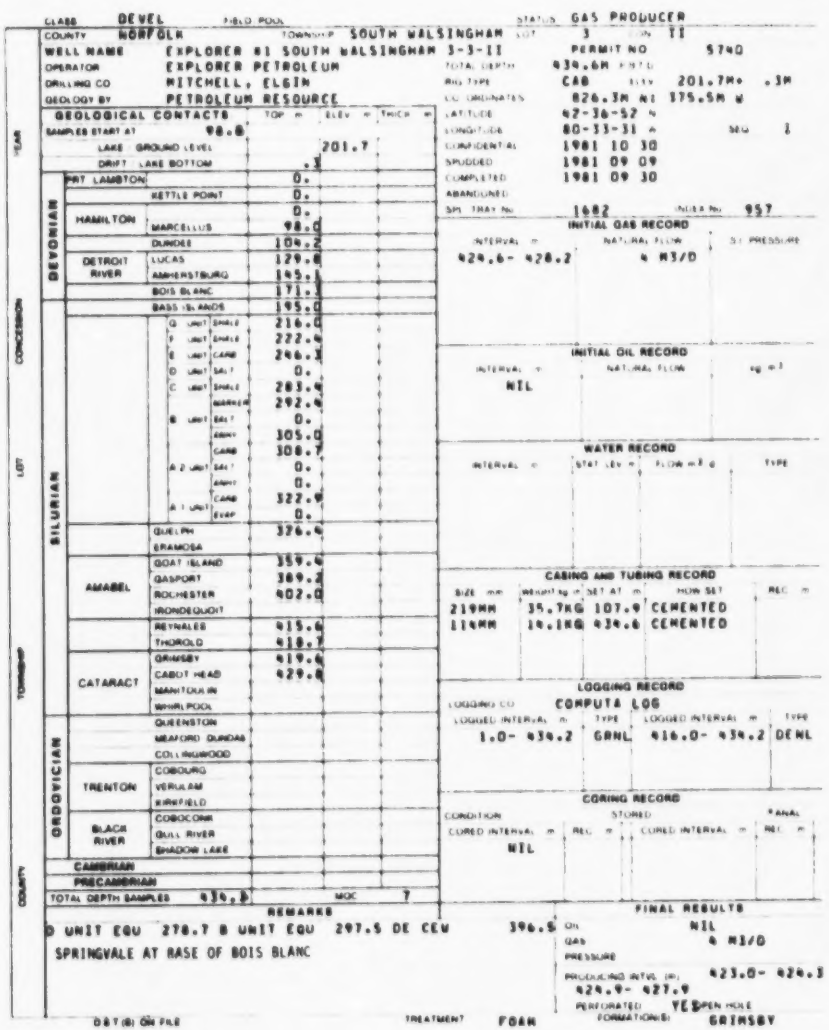
DE CEW O. D UNIT EQU 280.7 B UNIT EQU 300.2
SPRINGVALE AT BASE OF BOIS BLANC

FINAL RESULTS

OIL NIL
GAS 2448 M3/D
PRESSURE
PRODUCING INTVL (m) 420.3- 428.2

PERFORATED FORMATION(S) REYNALES
OPEN HOLE YES
GRIMSBY

DST(S) ON FILE TREATMENT



CLASS DEVEL FIELD POOL STATUS GAS PRODUCER
COUNTY NORFOLK TOWNSHIP SOUTH WALSINGHAM LOT 3 CON II
WELL NAME EXPLORER #1 SOUTH WALSINGHAM 3-3-II PERMIT NO 5740
OPERATOR EXPLORER PETROLEUM TOTAL DEPTH 434.6M PBTD
DRILLING CO MITCHELL, ELGIN RIG TYPE CAB ELEV 201.7M+ .3M
GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES 826.3M N; 375.5M W
LAT/LONG 42-36-52 N 80-33-31 W SEQ 1
CONFIDENTIAL 1981 10 30
SPUDDED 1981 09 09
COMPLETED 1981 09 30
ABANDONED
SPL TRAY No 1682 INDEX No 957

GEOLOGICAL CONTACTS — TOP m — ELEV m — THICK m
SAMPLES START AT 98.8
LAKE GROUND LEVEL 201.7
DRIFT LAKE BOTTOM .3
DEVONIAN: PRT LAMBTON 0.; KETTLE POINT 0.; HAMILTON 0.; MARCELLUS 98.0; DUNDEE 109.2; DETROIT RIVER: LUCAS 129.6; AMHERSTBURG 145.1; BOIS BLANC 171.1; BASS ISLANDS 195.0
SILURIAN: Q UNIT SHALE 216.0; P UNIT SHALE 222.6; E UNIT CARB 246.1; D UNIT SALT 0.; C UNIT SHALE 283.4; C UNIT MARKER 292.6; B UNIT SALT 0.; B UNIT ANHY 305.0; B UNIT CARB 308.7; A2 UNIT SALT 0.; A2 UNIT ANHY 0.; A1 UNIT CARB 322.9; A1 UNIT EVAP 0.; GUELPH 326.6; ERAMOSA; AMABEL: GOAT ISLAND 359.6; GASPORT 389.2; ROCHESTER 402.0; IRONDEQUOIT; REYNALES 415.6; THOROLD 418.7; CATARACT: GRIMSBY 419.6; CABOT HEAD 429.6; MANITOULIN; WHIRLPOOL
ORDOVICIAN: QUEENSTON; MEAFORD DUNDAS; COLLINGWOOD; TRENTON: COBOURG; VERULAM; KIRKFIELD; BLACK RIVER: COBOCONK; GULL RIVER; SHADOW LAKE
CAMBRIAN
PRECAMBRIAN
TOTAL DEPTH SAMPLES 434.6 MOC 7

INITIAL GAS RECORD
INTERVAL m — NATURAL FLOW — S/ PRESSURE
424.6- 428.2 4 M3/D

INITIAL OIL RECORD
INTERVAL m — NATURAL FLOW — sg m3
NIL

WATER RECORD
INTERVAL m — STAT LEV m — FLOW m3/d — TYPE

CASING AND TUBING RECORD
SIZE mm — WEIGHT kg m — SET AT m — HOW SET — REC m
219MM 35.7KG 107.0 CEMENTED
114MM 16.1KG 434.6 CEMENTED

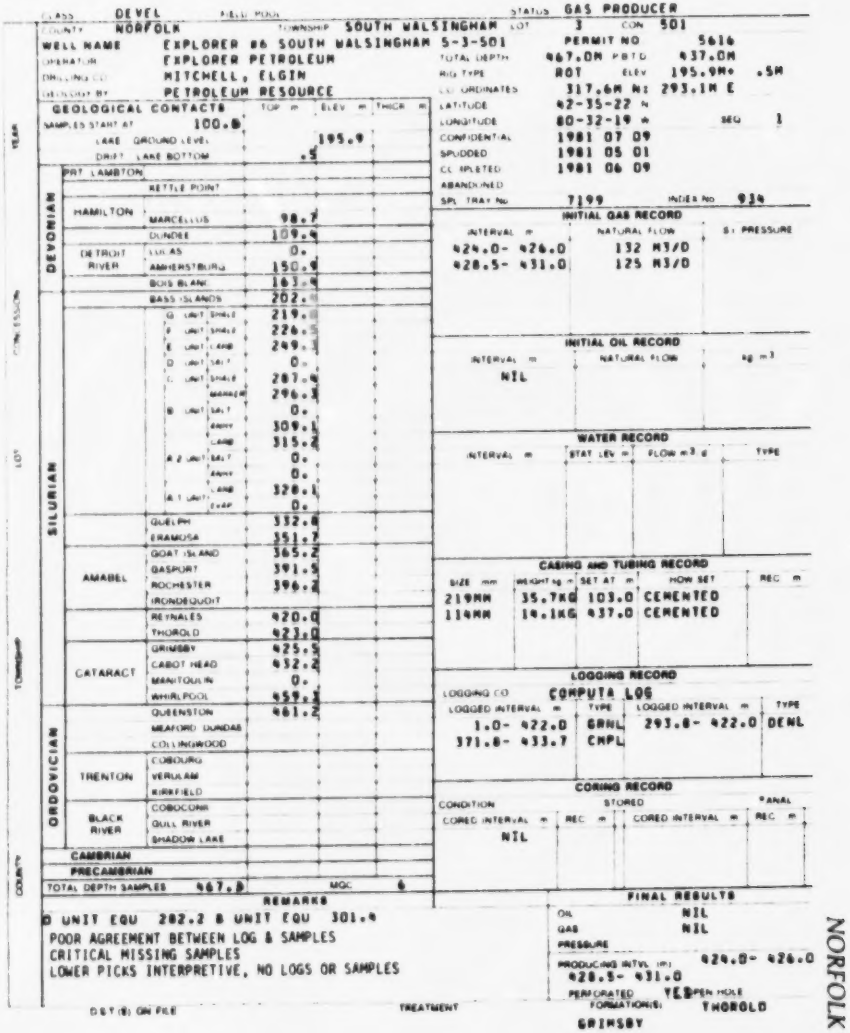
LOGGING RECORD
LOGGING CO COMPUTA LOG
LOGGED INTERVAL m — TYPE — LOGGED INTERVAL m — TYPE
1.0- 434.2 GRNL 416.0- 434.2 DENL

CORING RECORD
CONDITION STORED PANAL
CORED INTERVAL m — REC m — CORED INTERVAL m — REC m
NIL

REMARKS
D UNIT EQU 278.7 B UNIT EQU 297.5 DE CEV 396.5
SPRINGVALE AT BASE OF BOIS BLANC

FINAL RESULTS
OIL NIL
GAS 4 M3/D
PRESSURE
PRODUCING INTVL (P) 423.0- 424.3
424.9- 427.9
PERFORATED YES OPEN HOLE
FORMATIONS: GRIMSBY

DST(S) ON FILE TREATMENT? FOAM



CLASS DEVEL FIELD POOL STATUS GAS PRODUCER
COUNTY NORFOLK TOWNSHIP SOUTH WALSINGHAM LOT 3 CON 501
WELL NAME EXPLORER #6 SOUTH WALSINGHAM 5-3-501 PERMIT NO 5616
OPERATOR EXPLORER PETROLEUM TOTAL DEPTH 467.0M PBTD 437.0M
DRILLING CO MITCHELL, ELGIN RIG TYPE ROT ELEV 195.9M+ .5M
GEOLOGY BY PETROLEUM RESOURCE CO-ORDINATES 317.6M N; 293.1M E
LAT/LONG 42-35-22 N 80-32-19 W SEQ 1
CONFIDENTIAL 1981 07 09
SPUDDED 1981 05 01
COMPLETED 1981 06 09
ABANDONED
SPL TRAY No 7199 INDEX No 934

GEOLOGICAL CONTACTS — TOP m — ELEV m — THICK m
SAMPLES START AT 100.6
LAKE GROUND LEVEL 195.9
DRIFT LAKE BOTTOM .5
DEVONIAN: PRT LAMBTON; KETTLE POINT; HAMILTON; MARCELLUS 98.7; DUNDEE 109.4; DETROIT RIVER: LUCAS 0.; AMHERSTBURG 150.4; BOIS BLANC 163.4; BASS ISLANDS 202.
SILURIAN: Q UNIT SHALE 219.; P UNIT SHALE 226.5; E UNIT CARB 249.1; D UNIT SALT 0.; C UNIT SHALE 287.4; C UNIT MARKER 296.3; B UNIT SALT 0.; B UNIT ANHY 309.1; B UNIT CARB 315.2; A2 UNIT SALT 0.; A2 UNIT ANHY 0.; A1 UNIT CARB 328.1; A1 UNIT EVAP 0.; GUELPH 332.8; ERAMOSA 351.7; AMABEL: GOAT ISLAND 365.2; GASPORT 391.5; ROCHESTER 396.2; IRONDEQUOIT; REYNALES 420.0; THOROLD 423.0; CATARACT: GRIMSBY 425.5; CABOT HEAD 432.2; MANITOULIN 0.; WHIRLPOOL 459.2
ORDOVICIAN: QUEENSTON 461.2; MEAFORD DUNDAS; COLLINGWOOD; TRENTON: COBOURG; VERULAM; KIRKFIELD; BLACK RIVER: COBOCONK; GULL RIVER; SHADOW LAKE
CAMBRIAN
PRECAMBRIAN
TOTAL DEPTH SAMPLES 467.0 MOC 6

INITIAL GAS RECORD
INTERVAL m — NATURAL FLOW — S/ PRESSURE
424.0- 426.0 132 M3/D
428.5- 431.0 125 M3/D

INITIAL OIL RECORD
INTERVAL m — NATURAL FLOW — sg m3
NIL

WATER RECORD
INTERVAL m — STAT LEV m — FLOW m3/d — TYPE

CASING AND TUBING RECORD
SIZE mm — WEIGHT kg m — SET AT m — HOW SET — REC m
219MM 35.7KG 103.0 CEMENTED
114MM 16.1KG 437.0 CEMENTED

LOGGING RECORD
LOGGING CO COMPUTA LOG
LOGGED INTERVAL m — TYPE — LOGGED INTERVAL m — TYPE
1.0- 422.0 GRNL 293.0- 422.0 DENL
371.0- 433.7 CNPL

CORING RECORD
CONDITION STORED PANAL
CORED INTERVAL m — REC m — CORED INTERVAL m — REC m
NIL

REMARKS
D UNIT EQU 282.2 B UNIT EQU 301.4
POOR AGREEMENT BETWEEN LOG & SAMPLES
CRITICAL MISSING SAMPLES
LOWER PICKS INTERPRETIVE, NO LOGS OR SAMPLES

FINAL RESULTS
OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (P) 424.0- 426.0
428.5- 431.0
PERFORATED YES OPEN HOLE
FORMATIONS: THOROLD
GRIMSBY

DST(S) ON FILE TREATMENT

CLASS DEVEL FIELD/POOL STATUS GAS PRODUCER

COUNTY NORFOLK TOWNSHIP SOUTH WALSINGHAM LOT 9 CON II

WELL NAME EXPLORER #2 SOUTH WALSINGHAM 8-9-II PERMIT NO 5615

OPERATOR EXPLORER PETROLEUM TOTAL DEPTH 439.0M PBTD 438.6M

DRILLING CO MITCHELL, ELGIN RIG TYPE CAB ELEV 206.3M+ .9M

GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES 295.6M N; 347.1M E

LATITUDE 42-36-48 N

LONGITUDE 80-32-51 W MEQ 1

CONFIDENTIAL 1981 07 11

SPUDDED 1981 05 13

COMPLETED 1981 06 11

ABANDONED

SPL TRAY No 7203 INDEX No 932

GEOLOGICAL CONTACTS		TOP m	ELEV m	THICK m
SAMPLES START AT		98.0		
LAKE / GROUND LEVEL			206.3	
DRIFT / LAKE BOTTOM		.9		
DEVONIAN	PAT LAMBTON			
	KETTLE POINT			
	HAMILTON			
	MARCELLUS			
	DUNDEE	102.1		
	DETROIT RIVER LUCAS	0.		
	AMHERSTBURG	145.7		
	BOIS BLANC	157.8		
	BASS ISLANDS	195.2		
SILURIAN	G UNIT SHALE	213.0		
	F UNIT SHALE	220.7		
	E UNIT CARB	244.9		
	D UNIT SALT	0.		
	C UNIT SHALE	282.1		
	MARKER	290.6		
	B UNIT SALT	0.		
	ANHY	303.6		
	CARB	309.7		
	A 2 UNIT SALT	0.		
	ANHY	0.		
	A 1 UNIT CARB	320.6		
	EVAP	0.		
	GUELPH	326.1		
	ERAMOSA	334.2		
	AMABEL GOAT ISLAND	359.1		
	GASPORT	387.4		
	ROCHESTER	393.2		
	IRONDEQUOIT	413.3		
	REYNALES			
	THOROLD	414.5		
	CATARACT GRIMSBY	417.6		
	CABOT HEAD	426.9		
	MANITOULIN			
	WHIRLPOOL			
ORDOVICIAN	QUEENSTON			
	MEAFORD DUNDAS			
	COLLINGWOOD			
	TRENTON COBOURG			
	VERULAM			
	KIRKFIELD			
	BLACK RIVER COBOCONK			
	GULL RIVER			
	SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				
TOTAL DEPTH SAMPLES	438.0	MOC 6		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
418.0- 421.0	382 M3/D	
421.0- 424.3	404 M3/D	
425.2- 426.1	507 M3/D	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
381.0-			SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	35.7KG	101.5	CEMENTED	
114MM	14.1KG	417.6	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 439.2	GENL	371.8- 435.2	CMPL

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

REMARKS

D UNIT EQU 277.1 B UNIT EQU 296.3
POOR AGREEMENT BETWEEN LOG & SAMPLES
SPRINGVALE AT BASE OF BOIS BLANC

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m) 419.7- 424.6
PERFORATED OPEN HOLE
FORMATION(S) GRIMSBY

DST(S) ON FILE TREATMENT FOAM

CLASS DEVEL FIELD/POOL STATUS GAS PRODUCER

COUNTY NORFOLK TOWNSHIP SOUTH WALSINGHAM LOT 9 CON II

WELL NAME EXPLORER #5 SOUTH WALSINGHAM 1-9-II PERMIT NO 5741

OPERATOR EXPLORER PETROLEUM TOTAL DEPTH 434.3M PBTD 428.2M

DRILLING CO MITCHELL, ELGIN RIG TYPE CAB ELEV 201.5M+ .9M

GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES 102.9M S; 301.9M W

LATITUDE 42-37-13 N

LONGITUDE 80-33-14 W MEQ 1

CONFIDENTIAL 1981 10 11

SPUDDED 1981 08 20

COMPLETED 1981 09 11

ABANDONED

SPL TRAY No 1798 INDEX No 950

GEOLOGICAL CONTACTS		TOP m	ELEV m	THICK m
SAMPLES START AT		97.0		
LAKE / GROUND LEVEL			201.5	
DRIFT / LAKE BOTTOM		.9		
DEVONIAN	PAT LAMBTON			
	KETTLE POINT			
	HAMILTON			
	MARCELLUS	97.5		
	DUNDEE	103.9		
	DETROIT RIVER LUCAS	0.		
	AMHERSTBURG	144.9		
	BOIS BLANC	175.8		
	BASS ISLANDS	190.0		
SILURIAN	G UNIT SHALE	215.0		
	F UNIT SHALE	222.0		
	E UNIT CARB	245.5		
	D UNIT SALT	0.		
	C UNIT SHALE	282.6		
	MARKER	291.0		
	B UNIT SALT	0.		
	ANHY	304.0		
	CARB	308.6		
	A 2 UNIT SALT	0.		
	ANHY	0.		
	A 1 UNIT CARB	321.0		
	EVAP	0.		
	GUELPH	326.0		
	ERAMOSA	334.7		
	AMABEL GOAT ISLAND	359.0		
	GASPORT	384.0		
	ROCHESTER	393.6		
	IRONDEQUOIT	411.2		
	REYNALES	0.		
	THOROLD	416.7		
	CATARACT GRIMSBY	418.7		
	CABOT HEAD	427.6		
	MANITOULIN			
	WHIRLPOOL			
ORDOVICIAN	QUEENSTON			
	MEAFORD DUNDAS			
	COLLINGWOOD			
	TRENTON COBOURG			
	VERULAM			
	KIRKFIELD			
	BLACK RIVER COBOCONK			
	GULL RIVER			
	SHADOW LAKE			
CAMBRIAN				
PRECAMBRIAN				
TOTAL DEPTH SAMPLES	434.0	MOC 7		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
423.0-	2832 M3/D	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	35.7KG	106.0	CEMENTED	
114MM	14.1KG	417.0	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 434.1	GENL		

CORING RECORD

CONDITION	STORED		*ANAL	
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m	
NIL				

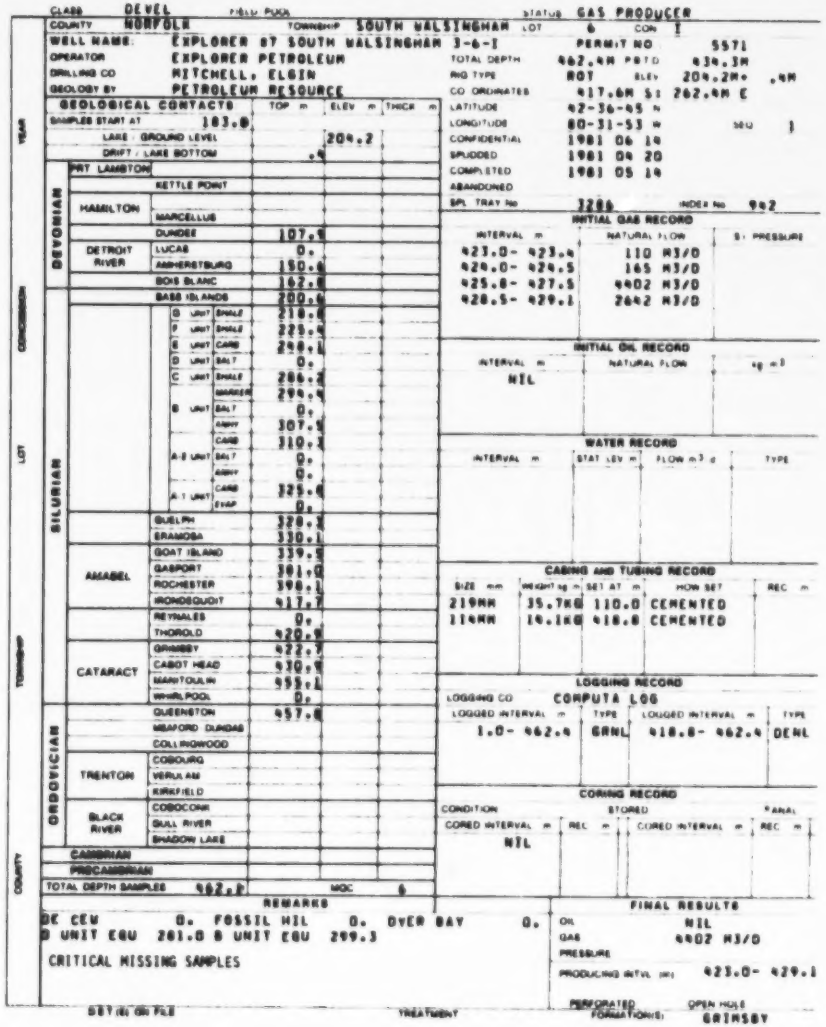
REMARKS

DE CEN 0. D UNIT EQU 278.0 B UNIT EQU 296.2
SPRINGVALE AT BASE OF BOIS BLANC

FINAL RESULTS

OIL NIL
GAS 2832 M3/D
PRESSURE
PRODUCING INTVL (m) 422.7- 425.0
PERFORATED OPEN HOLE YES
FORMATION(S) GRIMSBY

DST(S) ON FILE TREATMENT



CLASS DEVEL FIELD POOL STATUS GAS PRODUCER
COUNTY NORFOLK TOWNSHIP SOUTH WALSINGHAM LOT 6 CON I
WELL NAME EXPLORER 87 SOUTH WALSINGHAM 3-6-I PERMIT NO 5571
OPERATOR EXPLORER PETROLEUM TOTAL DEPTH 462.4M PBTD 434.3M
DRILLING CO MITCHELL, ELGIN RIG TYPE ROT ELEV 204.2M+ .4M
GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES 417.6M S; 262.4M E
LATITUDE 42-36-45 N
LONGITUDE 80-31-53 W SEQ 1
CONFIDENTIAL 1981 06 14
SPUDDED 1981 04 20
COMPLETED 1981 05 14
ABANDONED
SPL TRAY No 3286 INDEX No 942

GEOLOGICAL CONTACTS — TOP m — ELEV m — THICK m

			TOP m	ELEV m	THICK m
SAMPLES START AT 183.0					
LAKE : GROUND LEVEL				204.2	
DRIFT : LAKE BOTTOM			.4		
DEVONIAN	PRT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS			
		DUNDEE	107.9		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	150.6		
		BOIS BLANC	162.6		
		BASS ISLANDS	200.6		
SILURIAN		G UNIT SHALE	218.6		
		F UNIT SHALE	225.9		
		E UNIT CARB	240.1		
		D UNIT SALT	0.		
		C UNIT SHALE	286.2		
		MARKER	296.9		
		B UNIT SALT	0.		
		ANHY	307.9		
		CARB	310.2		
		A-2 UNIT SALT	0.		
		ANHY	0.		
		CARB	325.6		
		A-1 UNIT EVAP	0.		
	GUELPH		328.2		
	ERAMOSA		330.1		
	AMABEL	GOAT ISLAND	339.5		
		GASPORT	361.0		
		ROCHESTER	398.1		
		IRONDEQUOIT	417.7		
	CATARACT	REYNALES	0.		
		THOROLD	420.9		
		GRIMSBY	422.7		
		CABOT HEAD	430.9		
		MANITOULIN	455.1		
		WHIRLPOOL	0.		
ORDOVICIAN	TRENTON	QUEENSTON	457.6		
		MEAFORD DUNDAS			
		COLLINGWOOD			
		COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 462.9			MDC 6		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
423.0- 423.4	110 M3/D	
424.0- 424.5	165 M3/D	
425.8- 427.5	4402 M3/D	
428.5- 429.1	2642 M3/D	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	35.7KG	110.0	CEMENTED	
114MM	16.1KG	418.8	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 462.4	GRNL	418.8- 462.4	DENL

CORING RECORD

CONDITION STORED PANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

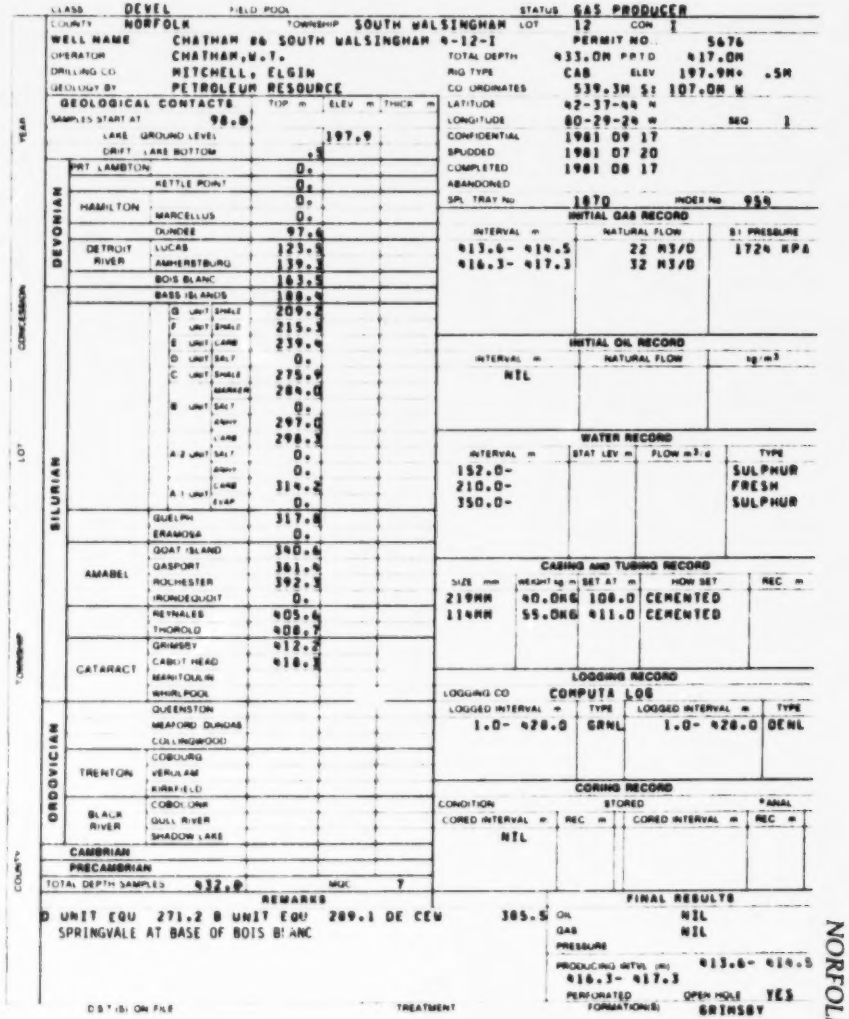
REMARKS

DE CEW 0. FOSSIL HIL 0. DVER BAY 0.
D UNIT EQU 281.0 B UNIT EQU 299.3
CRITICAL MISSING SAMPLES

FINAL RESULTS

OIL NIL
GAS 4402 M3/D
PRESSURE
PRODUCING INTVL (m) 423.0- 429.1
PERFORATED FORMATION(S) GRIMSBY OPEN HOLE

DST(S) ON FILE TREATMENT



CLASS DEVEL FIELD POOL STATUS GAS PRODUCER
COUNTY NORFOLK TOWNSHIP SOUTH WALSINGHAM LOT 12 CON I
WELL NAME CHATHAM #6 SOUTH WALSINGHAM 6-12-I PERMIT NO 5676
OPERATOR CHATHAM,W.T. TOTAL DEPTH 433.0M PBTD 417.0M
DRILLING CO MITCHELL, ELGIN RIG TYPE CAB ELEV 197.9M+ .5M
GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES 539.3M S; 107.0M W
LATITUDE 42-37-48 N
LONGITUDE 80-29-29 W SEQ 1
CONFIDENTIAL 1981 09 17
SPUDDED 1981 07 20
COMPLETED 1981 08 17
ABANDONED
SPL TRAY No 1870 INDEX No 959

GEOLOGICAL CONTACTS — TOP m — ELEV m — THICK m

			TOP m	ELEV m	THICK m
SAMPLES START AT 98.0					
LAKE : GROUND LEVEL				197.9	
DRIFT : LAKE BOTTOM			.5		
DEVONIAN	PRT LAMBTON		0.		
	HAMILTON	KETTLE POINT	0.		
		MARCELLUS	0.		
		DUNDEE	97.6		
	DETROIT RIVER	LUCAS	123.5		
		AMHERSTBURG	139.3		
		BOIS BLANC	163.5		
		BASS ISLANDS	180.4		
SILURIAN		G UNIT SHALE	209.2		
		F UNIT SHALE	215.3		
		E UNIT CARB	239.9		
		D UNIT SALT	0.		
		C UNIT SHALE	275.9		
		MARKER	284.0		
		B UNIT SALT	0.		
		ANHY	297.0		
		CARB	298.3		
		A-2 UNIT SALT	0.		
		ANHY	0.		
		CARB	314.2		
		A-1 UNIT EVAP	0.		
	GUELPH		317.8		
	ERAMOSA		0.		
	AMABEL	GOAT ISLAND	340.6		
		GASPORT	361.4		
		ROCHESTER	392.3		
		IRONDEQUOIT	0.		
	CATARACT	REYNALES	405.6		
		THOROLD	408.7		
		GRIMSBY	412.2		
		CABOT HEAD	418.3		
		MANITOULIN			
		WHIRLPOOL			
ORDOVICIAN	TRENTON	QUEENSTON			
		MEAFORD DUNDAS			
		COLLINGWOOD			
		COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					
TOTAL DEPTH SAMPLES 432.9			MDC 7		

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
413.6- 414.5	22 M3/D	1724 KPA
416.3- 417.3	32 M3/D	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
152.0-			SULPHUR
210.0-			FRESH
350.0-			SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	40.0KG	108.0	CEMENTED	
114MM	55.0KG	411.0	CEMENTED	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 420.0	GRNL	1.0- 420.0	DENL

CORING RECORD

CONDITION STORED PANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

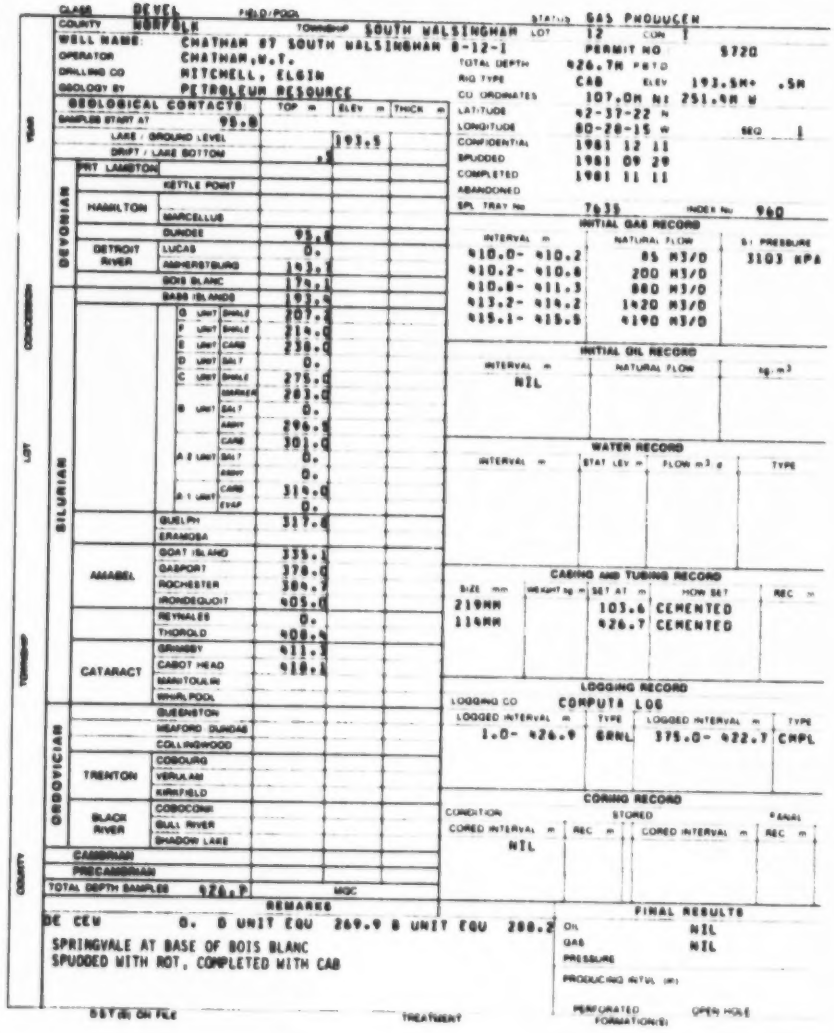
REMARKS

D UNIT EQU 271.2 B UNIT EQU 289.1 DE CEW 385.5
SPRINGVALE AT BASE OF BOIS BLANC

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m) 413.6- 414.5
416.3- 417.3
PERFORATED FORMATION(S) GRIMSBY OPEN HOLE YES

DST(S) ON FILE TREATMENT



CLASS DEVEL FIELD/POOL STATUS GAS PRODUCER
COUNTY NORFOLK TOWNSHIP SOUTH WALSINGHAM LOT 12 CON I
WELL NAME CHATHAM ET SOUTH WALSINGHAM 8-12-1 PERMIT NO 5720
OPERATOR CHATHAM,W.T. TOTAL DEPTH 426.7M PBTD
DRILLING CO MITCHELL, ELGIN RIG TYPE CAB ELEV 193.5M+ .5M
GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES 107.0M N 251.4M W
LATITUDE 42-37-22 N
LONGITUDE 80-28-15 W SEQ 1
CONFIDENTIAL 1981 12 11
SPUDDED 1981 09 29
COMPLETED 1981 11 11
ABANDONED
SPL TRAY No 7635 INDEX No 960

GEOLOGICAL CONTACTS — TOP m | ELEV m | THICK m
SAMPLES START AT 95.0
LAKE / GROUND LEVEL 193.5
DRIFT / LAKE BOTTOM +5
DEVONIAN: PRT LAMBTON; KETTLE POINT; HAMILTON: MARCELLUS; DUNDEE 95.6; DETROIT RIVER: LUCAS 0., AMHERSTBURG 143.7, BOIS BLANC 175.1, BASS ISLANDS 197.4
SILURIAN: G UNIT SHALE 207.2; F UNIT SHALE 214.0; E UNIT CARB 230.0; D UNIT SALT 0.; C UNIT SHALE 275.0; MARKER 283.0; B UNIT SALT 0.; ANHY 296.5; CARB 301.0; A 2 UNIT SALT 0.; ANHY 0.; CARB 314.0; A 1 UNIT EVAP 0.; GUELPH 317.6; ERAMOSA; AMABEL: GOAT ISLAND 335.1; GASPORT 370.0; ROCHESTER 384.2; IRONDEQUOIT 405.0; CATARACT: REYNALES 0.; THOROLD 408.4; GRIMSBY 411.1; CABOT HEAD 418.1; MANITOULIN; WHIRLPOOL
ORDOVICIAN: QUEENSTON; MEAFORD DUNDAS; COLLINGWOOD; TRENTON: COBOURG, VERULAM, KIRKFIELD; BLACK RIVER: COBOCONK, GULL RIVER, SHADOW LAKE
CAMBRIAN
PRECAMBRIAN
TOTAL DEPTH SAMPLES 426.9 MDC

INITIAL GAS RECORD
INTERVAL m	NATURAL FLOW	B/ PRESSURE
410.0- 410.2	85 M3/D	3103 KPA
410.2- 410.8	200 M3/D	
410.8- 411.3	880 M3/D	
413.2- 414.2	1420 M3/D	
415.1- 415.5	4190 M3/D	

INITIAL OIL RECORD
INTERVAL m	NATURAL FLOW	sg m3
NIL		

WATER RECORD
INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD
SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
219MM		103.6	CEMENTED	
114MM		426.7	CEMENTED	

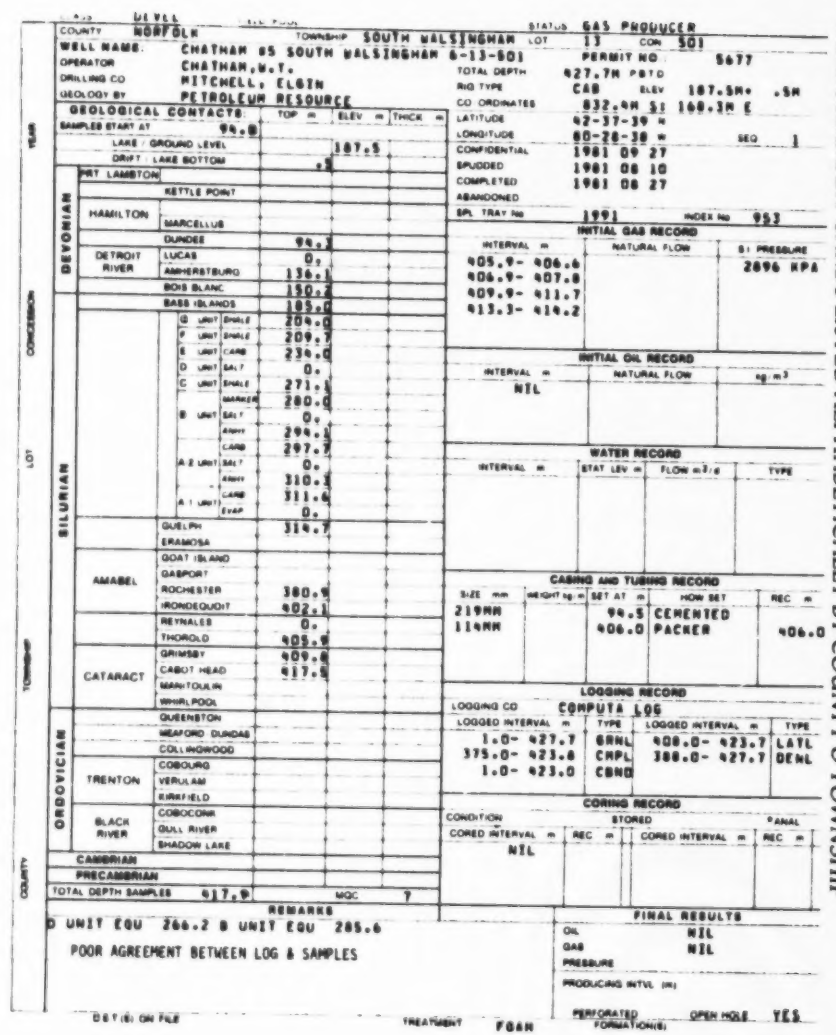
LOGGING RECORD
LOGGING CO COMPUTA LOG
LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 426.9	GRNL	375.0- 422.7	CMPL

CORING RECORD
CONDITION	CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
	NIL			

REMARKS
DE CEV 0. D UNIT EQU 269.9 B UNIT EQU 288.2
SPRINGVALE AT BASE OF BOIS BLANC
SPUDDED WITH ROT, COMPLETED WITH CAB

FINAL RESULTS
OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED FORMATION(S)
OPEN HOLE

DST(S) ON FILE
TREATMENT



COUNTY NORFOLK TOWNSHIP SOUTH WALSINGHAM LOT 13 CON SOI
WELL NAME CHATHAM 85 SOUTH WALSINGHAM 8-13-SOI PERMIT NO 5677
OPERATOR CHATHAM,W.T. TOTAL DEPTH 427.7M PBTD
DRILLING CO MITCHELL, ELGIN RIG TYPE CAB ELEV 187.5M+ .5M
GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES 832.4M S; 169.3M E
LATITUDE 42-37-39 N
LONGITUDE 80-28-38 W SEQ 1
CONFIDENTIAL 1981 09 27
SPUDDED 1981 08 10
COMPLETED 1981 08 27
ABANDONED
SPL TRAY No 1991 INDEX No 953

GEOLOGICAL CONTACTS — TOP m | ELEV m | THICK m
SAMPLES START AT 94.0
LAKE / GROUND LEVEL 187.5
DRIFT / LAKE BOTTOM +5
DEVONIAN: PRT LAMBTON; KETTLE POINT; HAMILTON: MARCELLUS; DUNDEE 94.3; DETROIT RIVER: LUCAS 0., AMHERSTBURG 136.1, BOIS BLANC 150.2, BASS ISLANDS 185.0
SILURIAN: G UNIT SHALE 204.0; F UNIT SHALE 209.7; E UNIT CARB 236.0; D UNIT SALT 0.; C UNIT SHALE 271.1; MARKER 280.0; B UNIT SALT 0.; ANHY 294.1; CARB 297.7; A 2 UNIT SALT 0.; ANHY 310.3; CARB 311.6; A 1 UNIT EVAP 0.; GUELPH 314.7; ERAMOSA; AMABEL: GOAT ISLAND; GASPORT; ROCHESTER 380.9; IRONDEQUOIT 402.1; CATARACT: REYNALES 0.; THOROLD 405.9; GRIMSBY 409.6; CABOT HEAD 417.5; MANITOULIN; WHIRLPOOL
ORDOVICIAN: QUEENSTON; MEAFORD DUNDAS; COLLINGWOOD; TRENTON: COBOURG, VERULAM, KIRKFIELD; BLACK RIVER: COBOCONK, GULL RIVER, SHADOW LAKE
CAMBRIAN
PRECAMBRIAN
TOTAL DEPTH SAMPLES 417.9 MDC ?

INITIAL GAS RECORD
INTERVAL m	NATURAL FLOW	B/ PRESSURE
405.9- 406.6		2896 KPA
406.9- 407.8		
409.9- 411.7		
413.3- 414.2		

INITIAL OIL RECORD
INTERVAL m	NATURAL FLOW	sg m3
NIL		

WATER RECORD
INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD
SIZE mm	WEIGHT kg m	SET AT m	HOW SET	REC m
219MM		94.5	CEMENTED	
114MM		406.0	PACKER	406.0

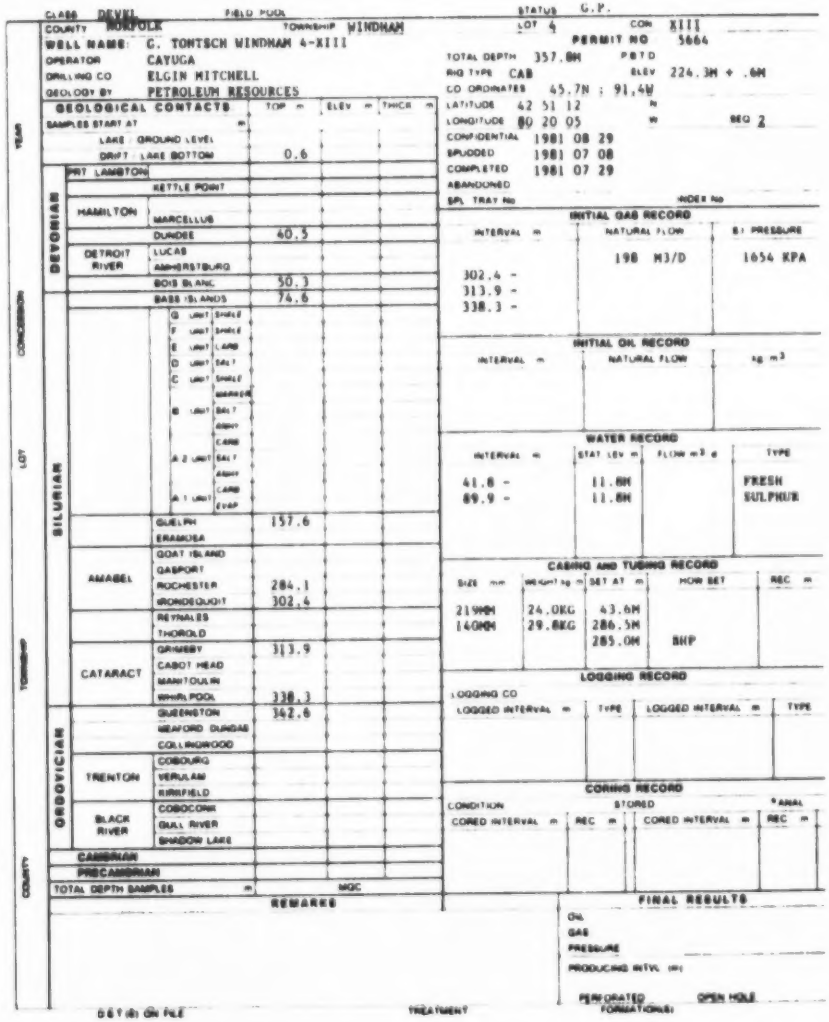
LOGGING RECORD
LOGGING CO COMPUTA LOG
LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 427.7	GRNL	408.0- 423.7	LATL
375.0- 423.8	CMPL	388.0- 427.7	DENL
1.0- 423.0	CBND		

CORING RECORD
CONDITION	CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
	NIL			

REMARKS
D UNIT EQU 266.2 B UNIT EQU 285.6
POOR AGREEMENT BETWEEN LOG & SAMPLES

FINAL RESULTS
OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED FORMATION(S)
OPEN HOLE YES

DST(S) ON FILE
TREATMENT FOAM



CLASS DEVEL FIELD POOL STATUS G.P.
COUNTY NORFOLK TOWNSHIP WINDHAM LOT 4 CON XIII
WELL NAME C. TONTSCH WINDHAM 4-XIII PERMIT NO 5664
OPERATOR CAYUGA TOTAL DEPTH 357.0M PBTD
DRILLING CO ELGIN MITCHELL RIG TYPE CAB ELEV 224.3M + .6M
GEOLOGY BY PETROLEUM RESOURCES CO ORDINATES 45.7N ; 91.4W
LATITUDE 42 51 12 N
LONGITUDE 80 20 05 W MEQ 2
CONFIDENTIAL 1981 08 29
SPUDDED 1981 07 08
COMPLETED 1981 07 29
ABANDONED
SPL TRAY No INDEX No

GEOLOGICAL CONTACTS — SAMPLES START AT m

		TOP m	ELEV m	THICK m
	LAKE : GROUND LEVEL			
	DRIFT : LAKE BOTTOM	0.6		
DEVONIAN	PRT LAMBTON			
	KETTLE POINT			
	HAMILTON / MARCELLUS			
	DUNDEE	40.5		
	DETROIT RIVER / LUCAS / AMHERSTBURG			
	BOIS BLANC	50.3		
	BASS ISLANDS	74.6		
SILURIAN	G UNIT SHALE / F UNIT SHALE / E UNIT LIME / D UNIT SALT / C UNIT SHALE / MARKER / B UNIT SALT / ANHY / CARB / A 2 UNIT SALT / ANHY / CARB / A 1 UNIT EVAP			
	GUELPH	157.6		
	ERAMOSA			
	AMABEL / GOAT ISLAND / GASPORT / ROCHESTER	284.1		
	IRONDEQUOIT	302.4		
	REYNALES / THOROLD			
	CATARACT / GRIMSBY	313.9		
	CABOT HEAD / MANITOULIN / WHIRLPOOL	338.3		
ORDOVICIAN	QUEENSTON	342.6		
	MEAFORD DUNDAS / COLLINGWOOD			
	TRENTON / COBOURG / VERULAM / KIRKFIELD			
	BLACK RIVER / COBOCONK / GULL RIVER / SHADOW LAKE			
	CAMBRIAN			
	PRECAMBRIAN			
TOTAL DEPTH SAMPLES m		MQC		

REMARKS

DST(s) ON FILE TREATMENT

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
302.4 - 313.9 - 338.3 -	198 M3/D	1654 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
41.8 - 89.9 -	11.6M 11.6M		FRESH SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	24.0KG	43.6M		
140MM	29.8KG	286.5M 285.0M	BHP	

LOGGING RECORD

LOGGING CO

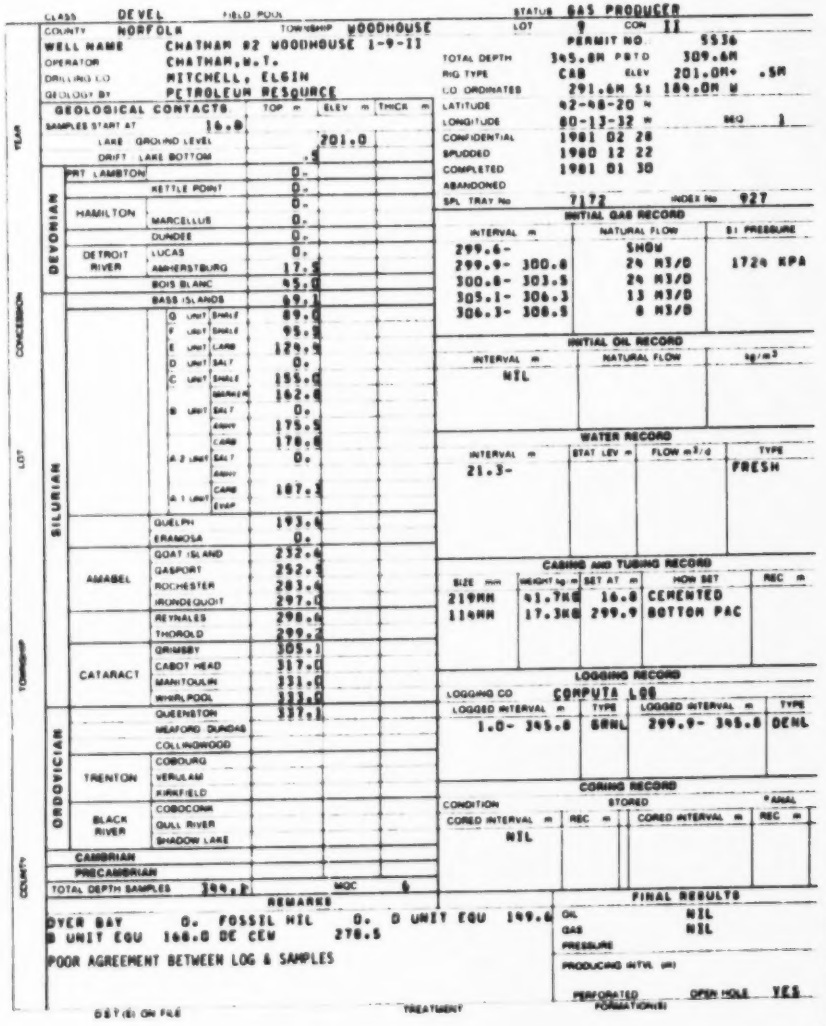
LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE

CORING RECORD

CONDITION	STORED		*ANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

FINAL RESULTS

OIL
GAS
PRESSURE
PRODUCING INTVL (m)
PERFORATED FORMATION(S) OPEN HOLE



CLASS DEVEL FIELD POOL STATUS GAS PRODUCER
COUNTY NORFOLK TOWNSHIP WOODHOUSE LOT 9 CON II
WELL NAME CHATHAM #2 WOODHOUSE 1-9-II PERMIT NO 5536
OPERATOR CHATHAM,W.T. TOTAL DEPTH 345.8M PBTD 309.6M
DRILLING CO MITCHELL, ELGIN RIG TYPE CAB ELEV 201.0M+ .5M
GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES 291.6M S; 184.0M W
LATITUDE 42-48-20 N
LONGITUDE 80-13-32 W MEQ 1
CONFIDENTIAL 1981 02 28
SPUDDED 1980 12 22
COMPLETED 1981 01 30
ABANDONED
SPL TRAY No 7172 INDEX No 927

GEOLOGICAL CONTACTS — SAMPLES START AT 16.0

		TOP m	ELEV m	THICK m
	LAKE GROUND LEVEL		201.0	
	DRIFT LAKE BOTTOM	.5		
DEVONIAN	PRT LAMBTON	0.		
	KETTLE POINT	0.		
	HAMILTON / MARCELLUS	0.		
	DUNDEE	0.		
	DETROIT RIVER / LUCAS	0.		
	AMHERSTBURG	17.5		
	BOIS BLANC	45.0		
	BASS ISLANDS	69.1		
SILURIAN	G UNIT SHALE	89.6		
	F UNIT SHALE	95.8		
	E UNIT LIME	129.5		
	D UNIT SALT	0.		
	C UNIT SHALE	155.0		
	MARKER	162.6		
	B UNIT SALT	0.		
	ANHY	175.5		
	CARB	178.6		
	A 2 UNIT SALT	0.		
	ANHY			
	CARB	187.5		
	A 1 UNIT EVAP			
	GUELPH	193.6		
	ERAMOSA	0.		
	AMABEL / GOAT ISLAND	232.6		
	GASPORT	252.5		
	ROCHESTER	283.6		
	IRONDEQUOIT	297.0		
	REYNALES	298.6		
	THOROLD	299.2		
	CATARACT / GRIMSBY	305.1		
	CABOT HEAD	317.0		
	MANITOULIN	331.0		
	WHIRLPOOL	333.0		
ORDOVICIAN	QUEENSTON	337.1		
	MEAFORD DUNDAS			
	COLLINGWOOD			
	TRENTON / COBOURG			
	VERULAM			
	KIRKFIELD			
	BLACK RIVER / COBOCONK			
	GULL RIVER			
	SHADOW LAKE			
	CAMBRIAN			
	PRECAMBRIAN			
TOTAL DEPTH SAMPLES 344.0		MQC 6		

REMARKS

DYER BAY 0. FOSSIL HIL 0. D UNIT EQU 149.6
B UNIT EQU 166.0 DE CEW 278.5
POOR AGREEMENT BETWEEN LOG & SAMPLES

DST(s) ON FILE TREATMENT

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
299.6-	SHOW	
299.9- 300.8	24 M3/D	1724 KPA
300.8- 303.5	24 M3/D	
305.1- 306.3	13 M3/D	
306.3- 308.5	8 M3/D	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
21.3-			FRESH

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	41.7KG	16.8	CEMENTED	
114MM	17.3KG	299.9	BOTTOM PAC	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 345.8	GRNL	299.9- 345.8	DENL

CORING RECORD

CONDITION	STORED		*ANAL
CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

FINAL RESULTS

OIL NIL
GAS NIL
PRESSURE
PRODUCING INTVL (m)
PERFORATED FORMATION(S) OPEN HOLE YES

CLASS DEVEL FIELD POOL STATUS GAS PRODUCER

COUNTY NORFOLK TOWNSHIP WOODHOUSE LOT 13 CON III

WELL NAME: CHATHAM 83 WOODHOUSE 7-13-III PERMIT NO 5538

OPERATOR CHATHAM,W.T. TOTAL DEPTH 337.0M PBTD 308.6M

DRILLING CO MITCHELL, ELGIN RIG TYPE CAB ELEV 197.4M± .3M

GEOLOGY BY PETROLEUM RESOURCE CO ORDINATES 183.2M N; 167.5M E

LATITUDE 42-46-31 N

LONGITUDE 80-27-40 W MEQ 1

CONFIDENTIAL 1981 03 18

SPUDDED 1981 01 28

COMPLETED 1981 02 18

ABANDONED

SPL TRAY No 5969 INDEX No 926

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 10.0					
LAKE / GROUND LEVEL				197.4	
DRIFT / LAKE BOTTOM			3		
DEVONIAN	PT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS			
	DETROIT RIVER	DUNDEE	10.6		
		LUCAS	0.		
		AMHERSTBURG	17.		
		BOIS BLANC	47.		
		BASS ISLANDS	60.0		
SILURIAN		G UNIT SHALE	75.0		
		F UNIT SHALE	81.5		
		E UNIT CARB	109.0		
		D UNIT SALT	0.		
		C UNIT SHALE	141.0		
		MARKER	147.3		
		B UNIT SALT	0.		
		ANHY	161.0		
		CARB	165.0		
		A-2 UNIT SALT	0.		
		ANHY	177.2		
		CARB			
		A-1 UNIT EVAP	0.		
	GUELPH		178.5		
	ERAMOSA		0.		
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER	275.2		
		IRONDEQUOIT	288.1		
	REYNALES		290.6		
	THOROLD		291.1		
	CATARACT	GRIMSBY	296.0		
		CABOT HEAD	309.2		
		MANITOULIN	316.2		
		WHIRLPOOL	322.8		
ORDOVICIAN	QUEENSTON		327.9		
	MEAFORD DUNDAS				
	COLLINGWOOD				
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 337.0 MQC 6

REMARKS

FOSSIL NIL D. DYER BAY D. D UNIT EQU 136.0
D UNIT EQU 152.6 DE CEW 269.6
SPRINGVALE AT BASE OF BOIS BLANC
POOR SAMPLES QUALITY
CRITICAL MISSING SAMPLES

DST(s) ON File TREATMENT

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
290.2- 290.8	7 M3/D	4278 KPA
292.6- 293.8	4 M3/D	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3
13.7- 48.8	SHOW	

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	25.3KG	18.3	CEMENTED	
114MM	14.1KG	289.8	BOTTOM PAC	

LOGGING RECORD

LOGGING CO COMPUTA LOG

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
1.0- 337.8	GRNL	289.8- 337.8	DENL

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

FINAL RESULTS

OIL NIL
GAS 11 M3/D
PRESSURE 3913 KPA
PRODUCING INTVL (m) 290.2- 290.8
292.6- 293.8
PERFORATED FORMATION(S) REYNALES THOROLD
OPEN HOLE YES IRONDEQUOIT

CLASS NEW FIELD POOL STATUS DRY + ABD

COUNTY OXFORD TOWNSHIP DEREHAM LOT 27 CON VII

WELL NAME C.S. ET AL DEREHAM 1-27-VII PERMIT NO 5794

OPERATOR CANADA CITIES SERVICES TOTAL DEPTH 1055.0M PBTD

DRILLING CO CORUNNA PETROLEUM LTD. RIG TYPE ROT ELEV 268.2M + 5.2M

GEOLOGY BY PETROLEUM RESOURCES CO ORDINATES 113.0M S ; 110.0M W

LATITUDE 42-54-43 N

LONGITUDE 80-53-53 W MEQ 1

CONFIDENTIAL 1982 12 21

SPUDDED 1981 12 09

COMPLETED 1981 12 21

ABANDONED 1981 12 24

SPL TRAY No 7277 INDEX No 213

GEOLOGICAL CONTACTS			TOP m	ELEV m	THICK m
SAMPLES START AT 12.0 m					
LAKE GROUND LEVEL					
DRIFT LAKE BOTTOM			5.2		
DEVONIAN	PT LAMBTON				
	HAMILTON	KETTLE POINT			
		MARCELLUS			
	DETROIT RIVER	DUNDEE	51.5		
		LUCAS	87.8		
		AMHERSTBURG	115.0		
		BOIS BLANC	147.4		
		BASS ISLANDS	164.4		
SILURIAN		G UNIT SHALE	182.4		
		F UNIT SHALE	190.4		
		E UNIT CARB	218.0		
		D UNIT SALT	0.0		
		C UNIT SHALE	254.4		
		MARKER	261.8		
		B UNIT SALT	0.0		
		ANHY			
		CARB	279.0		
		A-2 UNIT SALT	0.0		
		ANHY	282.4		
		A-1 UNIT CARB	285.2		
		EVAP	294.0		
	GUELPH		296.8		
	ERAMOSA				
	AMABEL	GOAT ISLAND			
		GASPORT			
		ROCHESTER	377.6		
		IRONDEQUOIT			
	REYNALES				
	THOROLD		395.3		
	CATARACT	GRIMSBY			
		CABOT HEAD	397.9		
		MANITOULIN	417.0		
		WHIRLPOOL			
ORDOVICIAN	QUEENSTON		425.9		
	MEAFORD DUNDAS		577.0		
	COLLINGWOOD		755.2		
	TRENTON	COBOURG	794.5		
		VERULAM	861.0		
		KIRKFIELD	900.8		
	BLACK RIVER	COBOCONK	941.1		
		GULL RIVER	964.0		
		SHADOW LAKE	1030.3		
CAMBRIAN			1034.0		
PRECAMBRIAN			1038.0		

TOTAL DEPTH SAMPLES 1048.0 m MQC 7

REMARKS

POSSIL HILL 391.8
CRITICAL MISSING SAMPLES

2 DST(s) ON File TREATMENT

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m3

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m3/d	TYPE
	14.0M		FRESH

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	35.7KG	64.0M	CEMENTED	

LOGGING RECORD

LOGGING CO SCHLUMBERGER

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
60.0 - 1055.0	DIL	50.0 - 1051.0	SONL
64.0 - 1052.0	CNFD		

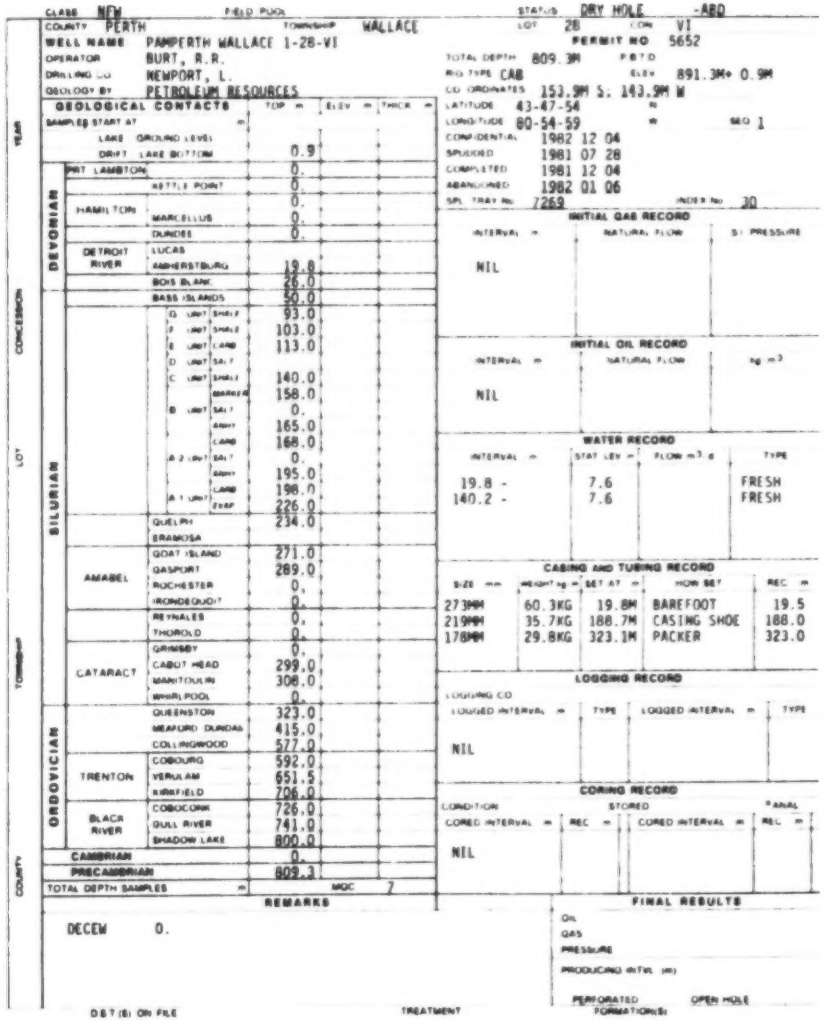
CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m

FINAL RESULTS

OIL
GAS
PRESSURE
PRODUCING INTVL (m)
PERFORATED FORMATION(S) OPEN HOLE



CLASS NEW FIELD POOL STATUS DRY HOLE -ABD
COUNTY PERTH TOWNSHIP WALLACE LOT 28 CON VI
WELL NAME PAMPERTH WALLACE 1-28-VI PERMIT NO 5652
OPERATOR BURT, R.R.
DRILLING CO NEWPORT, L.
GEOLOGY BY PETROLEUM RESOURCES

TOTAL DEPTH 809.3M PBTD
RIG TYPE CAB ELEV 891.3M+ 0.9M
CO-ORDINATES 153.9M S. 143.9M W
LATITUDE 43-47-54 N
LONGITUDE 80-54-59 W SEQ 1
CONFIDENTIAL 1982 12 04
SPUDDED 1981 07 28
COMPLETED 1981 12 04
ABANDONED 1982 01 06
SPL TRAY No 7269 INDEX No 30

GEOLOGICAL CONTACTS

			TOP m	ELEV m	THICK m
	SAMPLED START AT				
	LAKE GROUND LEVEL				
	DRIFT - LAKE BOTTOM		0.9		
DEVONIAN	PRT LAMBTON		0.		
		KETTLE POINT	0.		
	HAMILTON		0.		
		MARCELLUS	0.		
		DUNDEE	0.		
	DETROIT RIVER	LUCAS			
		AMHERSTBURG	19.8		
		BOIS BLANC	86.0		
		BASS ISLANDS	90.0		
SILURIAN		G UNIT SHALE	93.0		
		F UNIT SHALE	103.0		
		E UNIT CARB	113.0		
		D UNIT SALT			
		C UNIT SHALE	140.0		
		MARKER	158.0		
		B UNIT SALT	0.		
		ANHY	165.0		
		CARB	168.0		
		A 2 UNIT SALT	0.		
		ANHY	195.0		
		CARB	198.0		
		A 1 UNIT EVAP	226.0		
	QUELPH		234.0		
	BRAMOSA				
	AMABEL	GOAT ISLAND	271.0		
		GASPORT	289.0		
		ROCHESTER	0.		
		IRONDEQUOIT	0.		
	REYNALES		0.		
	THOROLD		0.		
	CATARACT	GRIMSBY	0.		
		CABOT HEAD	299.0		
		MANITOULIN	308.0		
		WHIRLPOOL	0.		
ORDOVICIAN	QUEENSTON		323.0		
	MEAFORD DUNDAS		415.0		
	COLLINGWOOD		577.0		
	TRENTON	COBOURG	592.0		
		VERULAM	651.5		
		KIRKFIELD	706.0		
	BLACK RIVER	COBOCONK	726.0		
		GULL RIVER	741.0		
		SHADOW LAKE	800.0		
CAMBRIAN			0.		
PRECAMBRIAN			809.3		

TOTAL DEPTH SAMPLES m MOC 7

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
NIL		

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
19.8 -	7.6		FRESH
140.2 -	7.6		FRESH

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
273MM	60.3KG	19.8M	BAREFOOT	19.5
219MM	35.7KG	188.7M	CASING SHOE	188.0
178MM	29.8KG	323.1M	PACKER	323.0

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

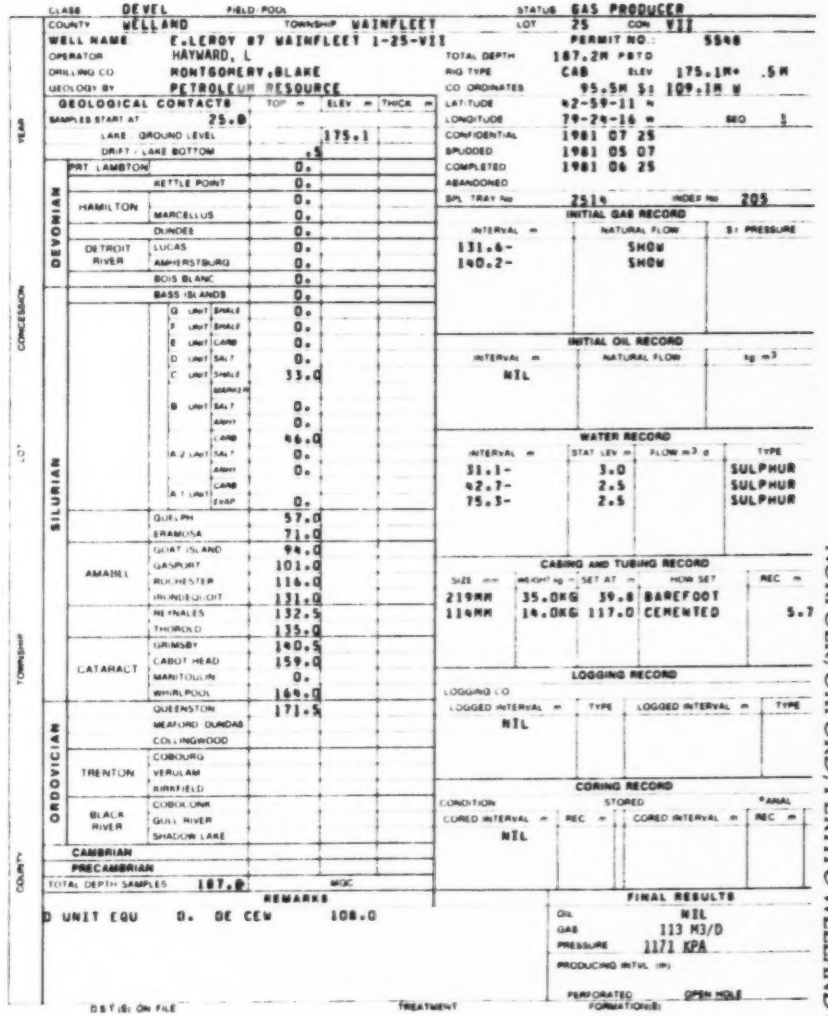
REMARKS

DECEW 0.

FINAL RESULTS

OIL
GAS
PRESSURE
PRODUCING INTVL (m)
PERFORATED FORMATION(S) OPEN HOLE

DST(S) ON FILE TREATMENT



CLASS DEVEL FIELD POOL STATUS GAS PRODUCER
COUNTY WELLAND TOWNSHIP WAINFLEET LOT 25 CON VII
WELL NAME E.LEROY 87 WAINFLEET 1-25-VII PERMIT NO 5548
OPERATOR HAYWARD, L
DRILLING CO MONTGOMERY, BLAKE
GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 187.2M PBTD
RIG TYPE CAB ELEV 175.1M+ .5M
CO-ORDINATES 95.5M S; 109.1M W
LATITUDE 42-59-11 N
LONGITUDE 79-24-16 W SEQ 1
CONFIDENTIAL 1981 07 25
SPUDDED 1981 05 07
COMPLETED 1981 06 25
ABANDONED
SPL TRAY No 2514 INDEX No 205

GEOLOGICAL CONTACTS

			TOP m	ELEV m	THICK m
	SAMPLED START AT		25.0		
	LAKE GROUND LEVEL			175.1	
	DRIFT - LAKE BOTTOM		.5		
DEVONIAN	PRT LAMBTON		0.		
		KETTLE POINT	0.		
	HAMILTON		0.		
		MARCELLUS	0.		
		DUNDEE	0.		
	DETROIT RIVER	LUCAS	0.		
		AMHERSTBURG	0.		
		BOIS BLANC	0.		
		BASS ISLANDS	0.		
SILURIAN		G UNIT SHALE	0.		
		F UNIT SHALE	0.		
		E UNIT CARB	0.		
		D UNIT SALT	0.		
		C UNIT SHALE	33.0		
		MARKER			
		B UNIT SALT	0.		
		ANHY	0.		
		CARB	46.0		
		A 2 UNIT SALT	0.		
		ANHY	0.		
		CARB			
		A 1 UNIT EVAP	0.		
	QUELPH		57.0		
	BRAMOSA		71.0		
	AMABEL	GOAT ISLAND	94.0		
		GASPORT	101.0		
		ROCHESTER	116.0		
		IRONDEQUOIT	131.0		
	REYNALES		132.5		
	THOROLD		135.0		
	CATARACT	GRIMSBY	140.5		
		CABOT HEAD	159.0		
		MANITOULIN	0.		
		WHIRLPOOL	169.0		
ORDOVICIAN	QUEENSTON		171.5		
	MEAFORD DUNDAS				
	COLLINGWOOD				
	TRENTON	COBOURG			
		VERULAM			
		KIRKFIELD			
	BLACK RIVER	COBOCONK			
		GULL RIVER			
		SHADOW LAKE			
CAMBRIAN					
PRECAMBRIAN					

TOTAL DEPTH SAMPLES 187.0 MOC

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
131.6-	SHOW	
140.2-	SHOW	

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
31.1-	3.0		SULPHUR
42.7-	2.5		SULPHUR
75.3-	2.5		SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	35.0KG	39.8	BAREFOOT	
114MM	14.0KG	117.0	CEMENTED	5.7

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

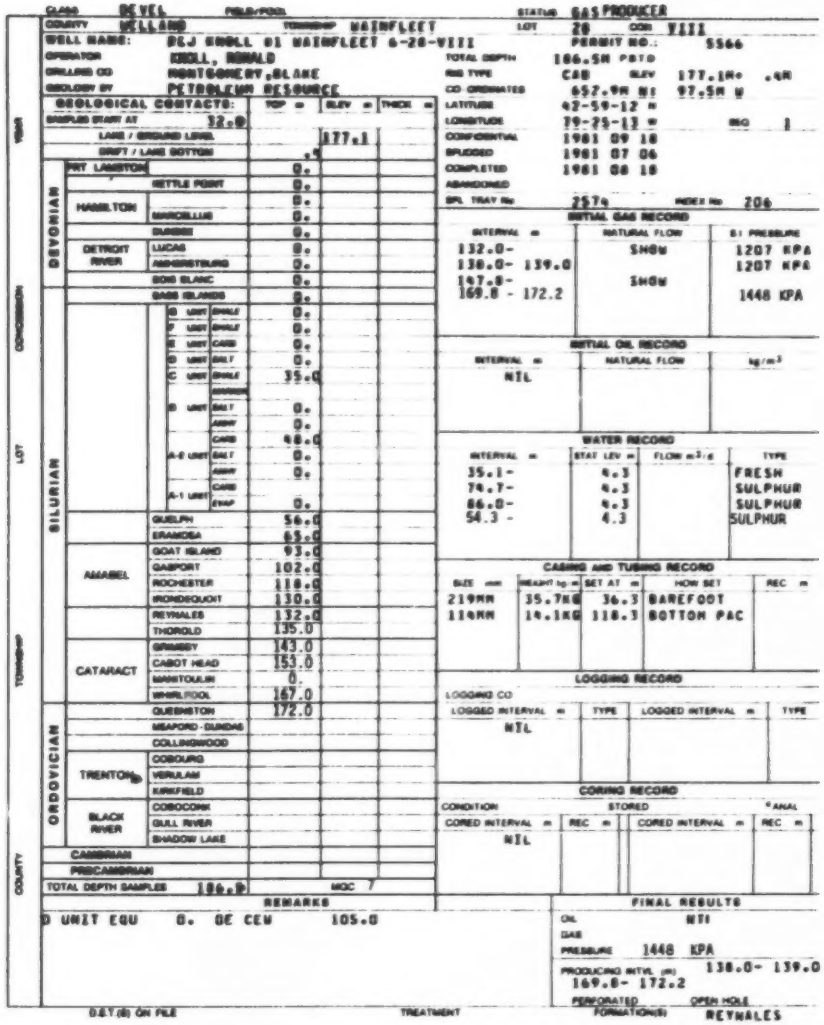
REMARKS

D UNIT EQU 0. DE CEW 108.0

FINAL RESULTS

OIL NIL
GAS 113 M3/D
PRESSURE 1171 KPA
PRODUCING INTVL (m)
PERFORATED FORMATION(S) OPEN HOLE

DST(S) ON FILE TREATMENT



CLASS DEVEL FIELD/POOL STATUS GAS PRODUCER

COUNTY WELLAND TOWNSHIP MAINFLEET LOT 28 CON VIII

WELL NAME: DEJ KROLL #1 MAINFLEET 6-28-VIII PERMIT NO.: 5566

OPERATOR KROLL, RONALD

DRILLING CO MONTGOMERY, BLAKE

GEOLOGY BY PETROLEUM RESOURCE

TOTAL DEPTH 186.5M PBTD

RIG TYPE CAB ELEV 177.1M+ .4M

CO ORDINATES 652.9M N; 97.5M W

LATITUDE 42-59-12 N

LONGITUDE 79-29-13 W SEQ 1

CONFIDENTIAL 1981 09 18

DRILLED 1981 07 06

COMPLETED 1981 08 18

ABANDONED

DPL TRAY No 2574 INDEX No 206

GEOLOGICAL CONTACTS:

	TOP m	ELEV m	THICK m
SAMPLES START AT 52.0			
LAKE / GROUND LEVEL		177.1	
DRIFT / LAKE BOTTOM	4		
DEVONIAN — PRT LAMBTON	0.		
DEVONIAN — HAMILTON — KETTLE POINT	0.		
DEVONIAN — HAMILTON — WARDSVILLE	0.		
DEVONIAN — HAMILTON — DUNDEE	0.		
DEVONIAN — DETROIT RIVER — LUCAS	0.		
DEVONIAN — DETROIT RIVER — AMHERSTBURG	0.		
DEVONIAN — BOIS BLANC	0.		
DEVONIAN — BASS ISLANDS	0.		
SILURIAN — G UNIT SHALE	0.		
SILURIAN — F UNIT SHALE	0.		
SILURIAN — E UNIT CARB	0.		
SILURIAN — D UNIT SALT	0.		
SILURIAN — C UNIT SHALE	35.0		
SILURIAN — B UNIT SALT	0.		
SILURIAN — B UNIT ANHY	0.		
SILURIAN — B UNIT CARB	46.0		
SILURIAN — A-0 UNIT SALT	0.		
SILURIAN — A-0 UNIT ANHY	0.		
SILURIAN — A-1 UNIT CARB EVAP	0.		
SILURIAN — GUELPH	56.0		
SILURIAN — ERAMOSA	65.0		
SILURIAN — AMABEL — GOAT ISLAND	93.0		
SILURIAN — AMABEL — GASPORT	102.0		
SILURIAN — AMABEL — ROCHESTER	118.0		
SILURIAN — AMABEL — IRONDEQUOIT	130.0		
SILURIAN — REYNALES	132.0		
SILURIAN — THOROLD	135.0		
SILURIAN — CATARACT — GRIMSBY	143.0		
SILURIAN — CATARACT — CABOT HEAD	153.0		
SILURIAN — CATARACT — MANITOULIN	0.		
SILURIAN — CATARACT — WHIRLPOOL	167.0		
ORDOVICIAN — QUEENSTON	172.0		
ORDOVICIAN — MEAFORD - DUNDAS			
ORDOVICIAN — COLLINGWOOD			
ORDOVICIAN — TRENTON — COBOURG			
ORDOVICIAN — TRENTON — VERULAM			
ORDOVICIAN — TRENTON — KIRKFIELD			
ORDOVICIAN — BLACK RIVER — COBOCONK			
ORDOVICIAN — BLACK RIVER — GULL RIVER			
ORDOVICIAN — BLACK RIVER — SHADOW LAKE			
CAMBRIAN			
PRECAMBRIAN			
TOTAL DEPTH SAMPLES 186.0	MDC ?		

REMARKS

D UNIT EQU 0. DE CEN 105.0

D.S.T.(S) ON FILE

TREATMENT

INITIAL GAS RECORD

INTERVAL m	NATURAL FLOW	SI PRESSURE
132.0-	SHOW	1207 KPA
138.0- 139.0		1207 KPA
147.0-	SHOW	
169.0 - 172.2		1448 KPA

INITIAL OIL RECORD

INTERVAL m	NATURAL FLOW	kg/m³
NIL		

WATER RECORD

INTERVAL m	STAT LEV m	FLOW m³/d	TYPE
35.1-	4.3		FRESH
74.7-	4.3		SULPHUR
86.0-	4.3		SULPHUR
54.3 -	4.3		SULPHUR

CASING AND TUBING RECORD

SIZE mm	WEIGHT kg/m	SET AT m	HOW SET	REC m
219MM	35.7KG	36.3	BAREFOOT	
114MM	14.1KG	118.3	BOTTOM PAC	

LOGGING RECORD

LOGGING CO

LOGGED INTERVAL m	TYPE	LOGGED INTERVAL m	TYPE
NIL			

CORING RECORD

CONDITION STORED *ANAL

CORED INTERVAL m	REC m	CORED INTERVAL m	REC m
NIL			

FINAL RESULTS

OIL NIL

GAS

PRESSURE 1448 KPA

PRODUCING INTVL (m) 138.0- 139.0
169.0- 172.2

PERFORATED OPEN HOLE

FORMATION(S) REYNALES

POOR

QUALITY

ORIGINAL